THE SHIPS ATLAS



SHIPPING GUIDES LIMITED

THE SHIPS ATLAS

4TH EDITION

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SHIPPING GUIDES HOUSE, 75 BELL STREET, REIGATE, SURREY RH2 7AN, ENGLAND
TEL: REIGATE (0737) 242255/6/7 TELEX: 917070 FAX: (0737) 222449 CABLES: SHIPGUIDE REIGATE

UPDATING AND AMENDMENTS

Shipmasters, Shipowners or Managers, Port Authorities, Administrators and Agents, are earnestly requested to assist our work in up-dating the Ships Atlas by providing information, amendments or corrections, plus additional details of any ports or terminals, to the following address.

SHIPPING GUIDES LIMITED
SHIPPING GUIDES HOUSE
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PREFACE

This is the fourth edition of **The Ships Atlas**. It has been extensively revised, re-checked and updated and in this regard we would wish to thank our Editor, Feargal Hogan, for his considerable efforts to complete the great amount of work involved in the production.

The Index contains over eight thousand entries many of which are accompanied by details of port data extracted from our **Guide to Port Entry** and it includes over eight hundred more entries than our first edition. New insert maps and national borders have also been included.

The Ships Atlas has proved to be most suitable as a useful presentation gift for companies in the shipping industry and in this respect we should remind purchasers that they may obtain copies gold-blocked with their company name, on application to ourselves.

We do hope that **The Ships Atlas** will be of assistance to you in your work.

Robert Pedlow
Charles Watson
Directors

Reigate
September 1991.

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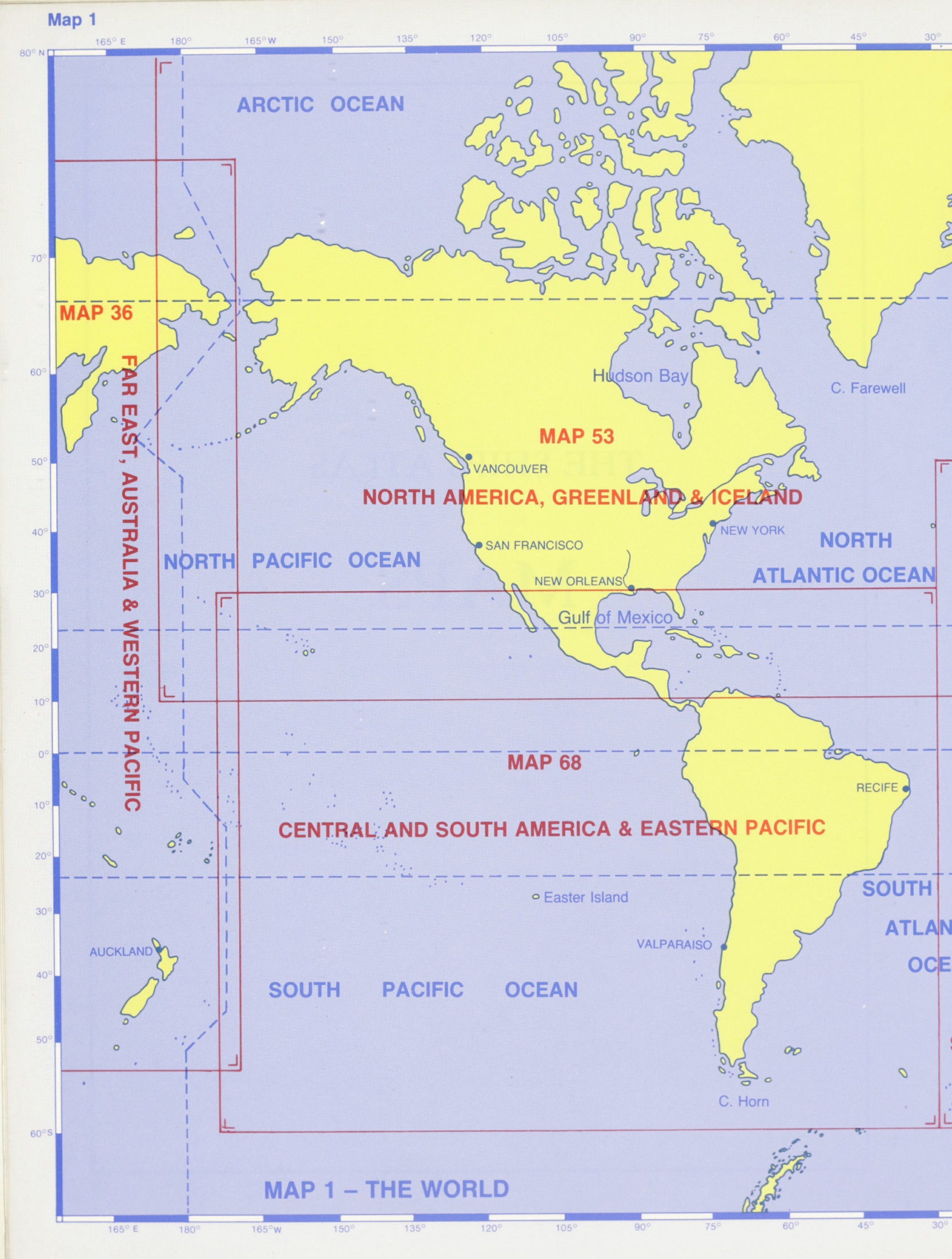
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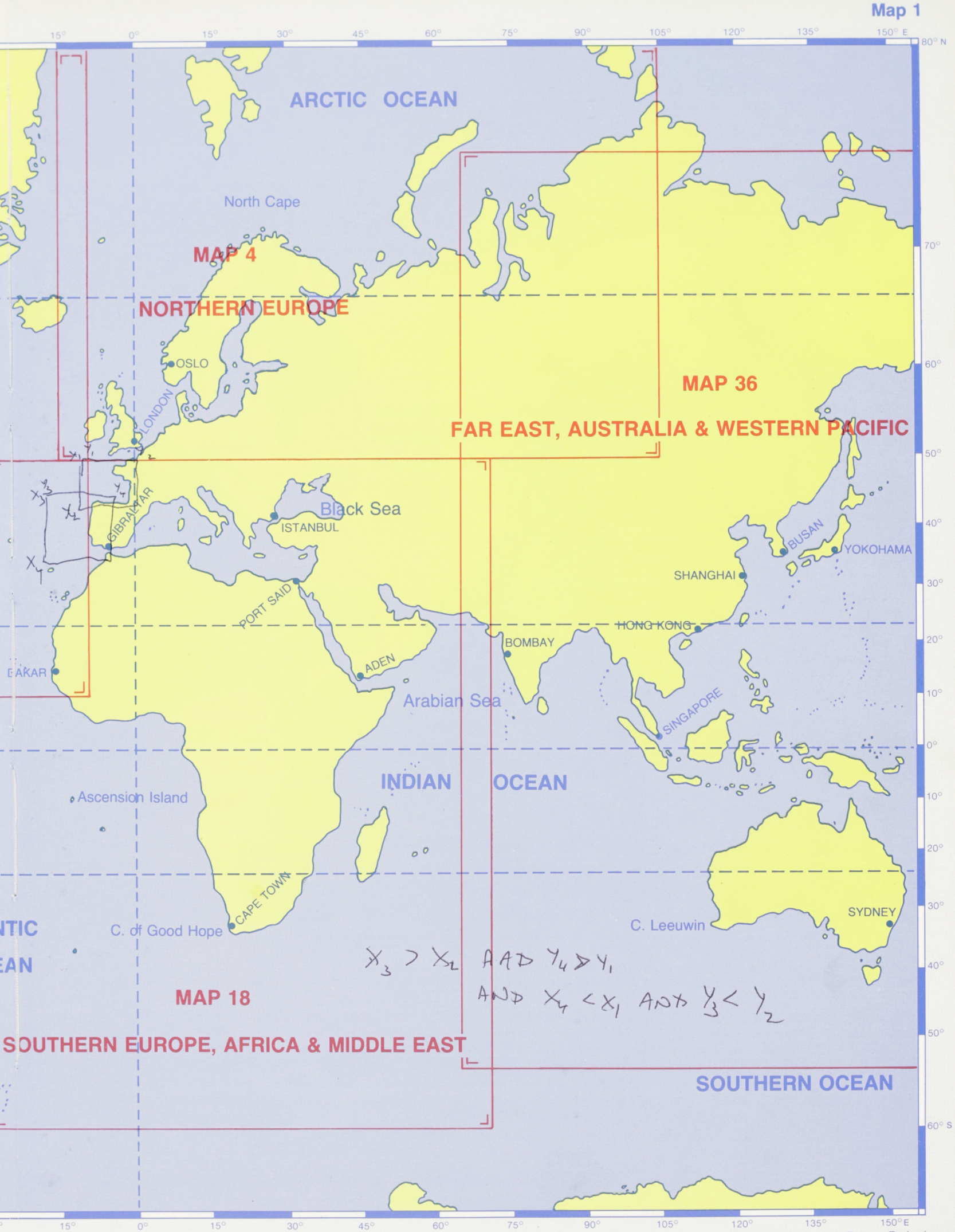
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Alphabetical by Port Name, etc., and including islands, Seas, Rivers, Canals and other features.

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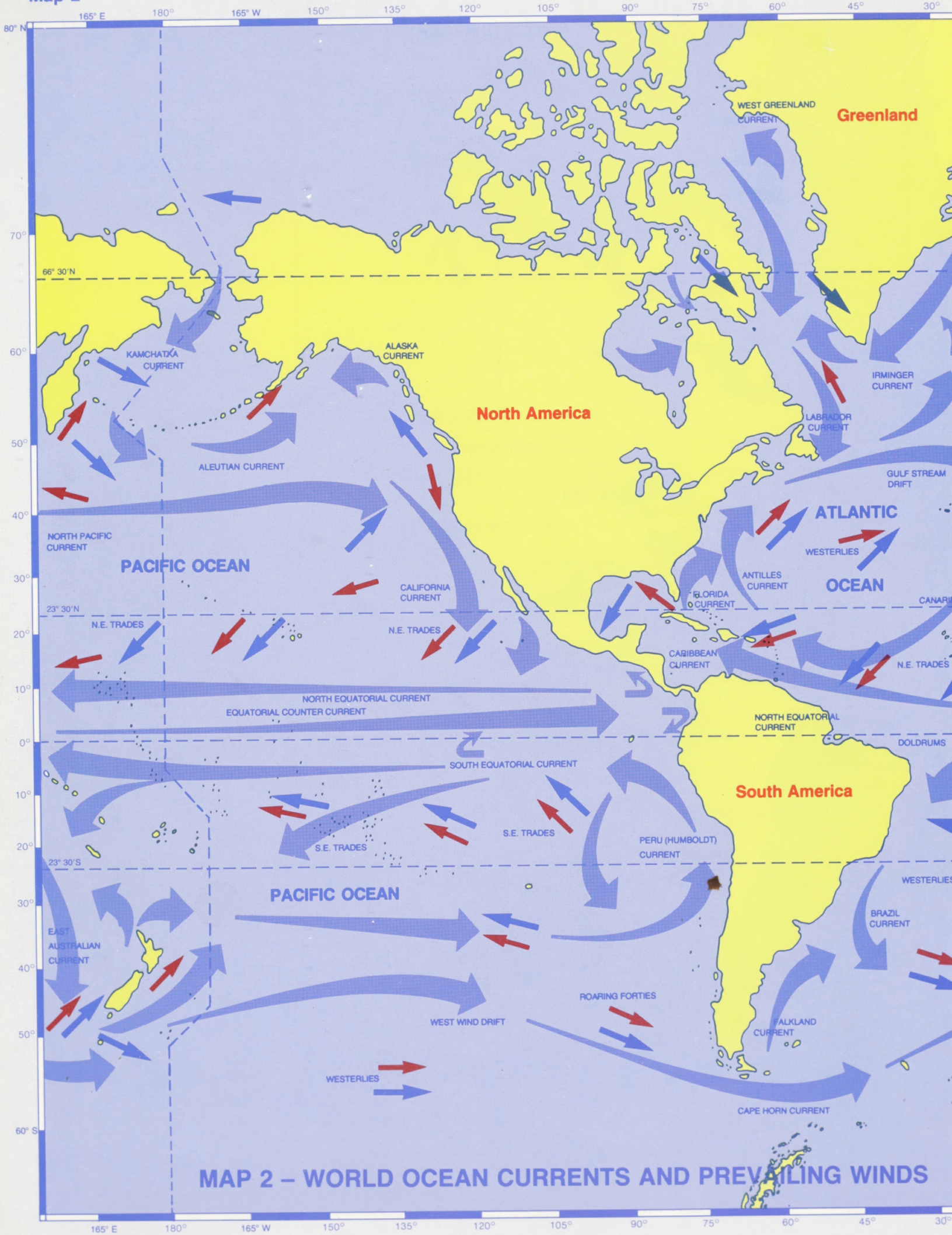
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165° W
150°
135°
120°
105°
90°
75°
60°
45°
30°
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70°
60°
50°
40°
30°
20°
10°
0°
10°
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50°
60° S
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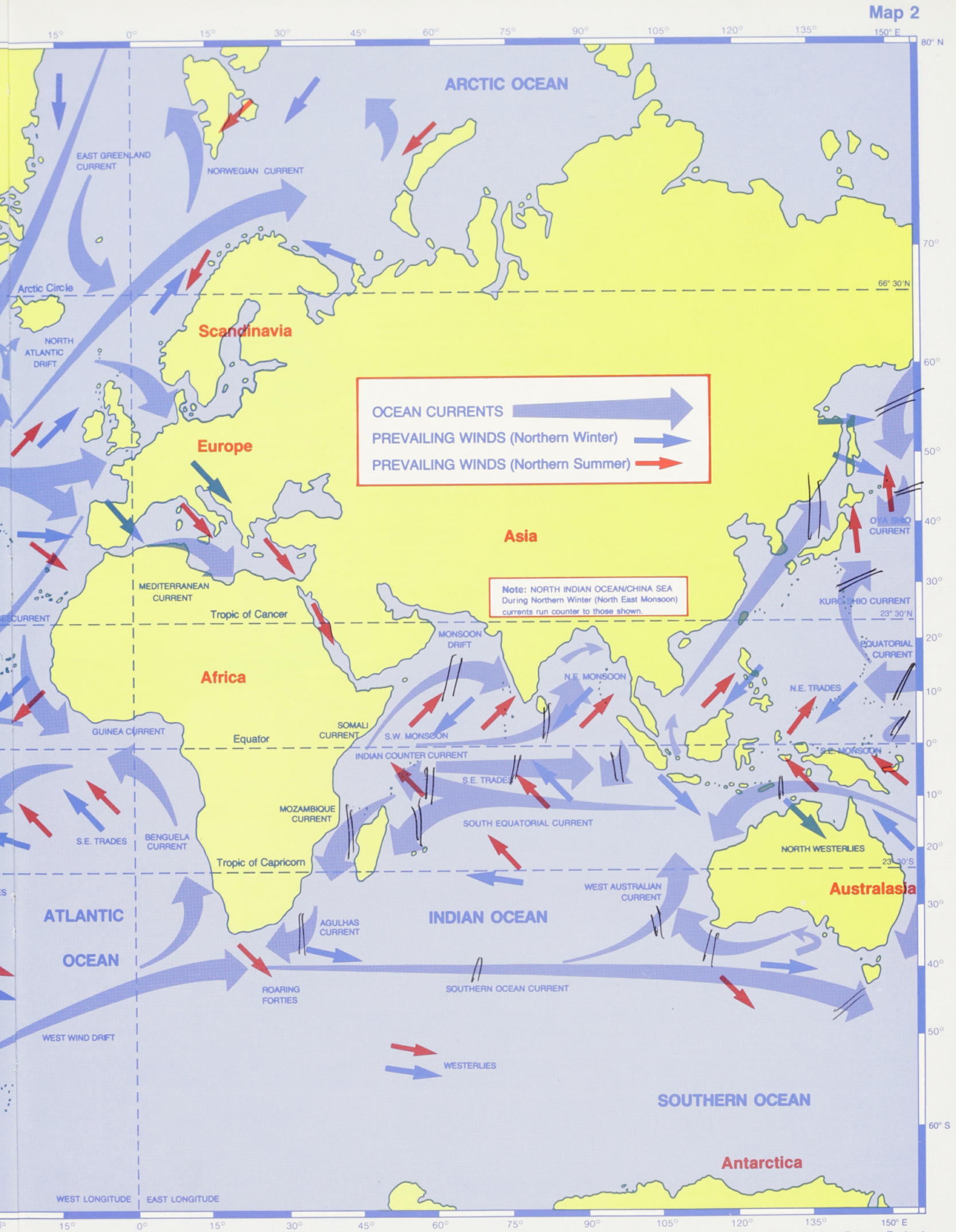


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Map 2

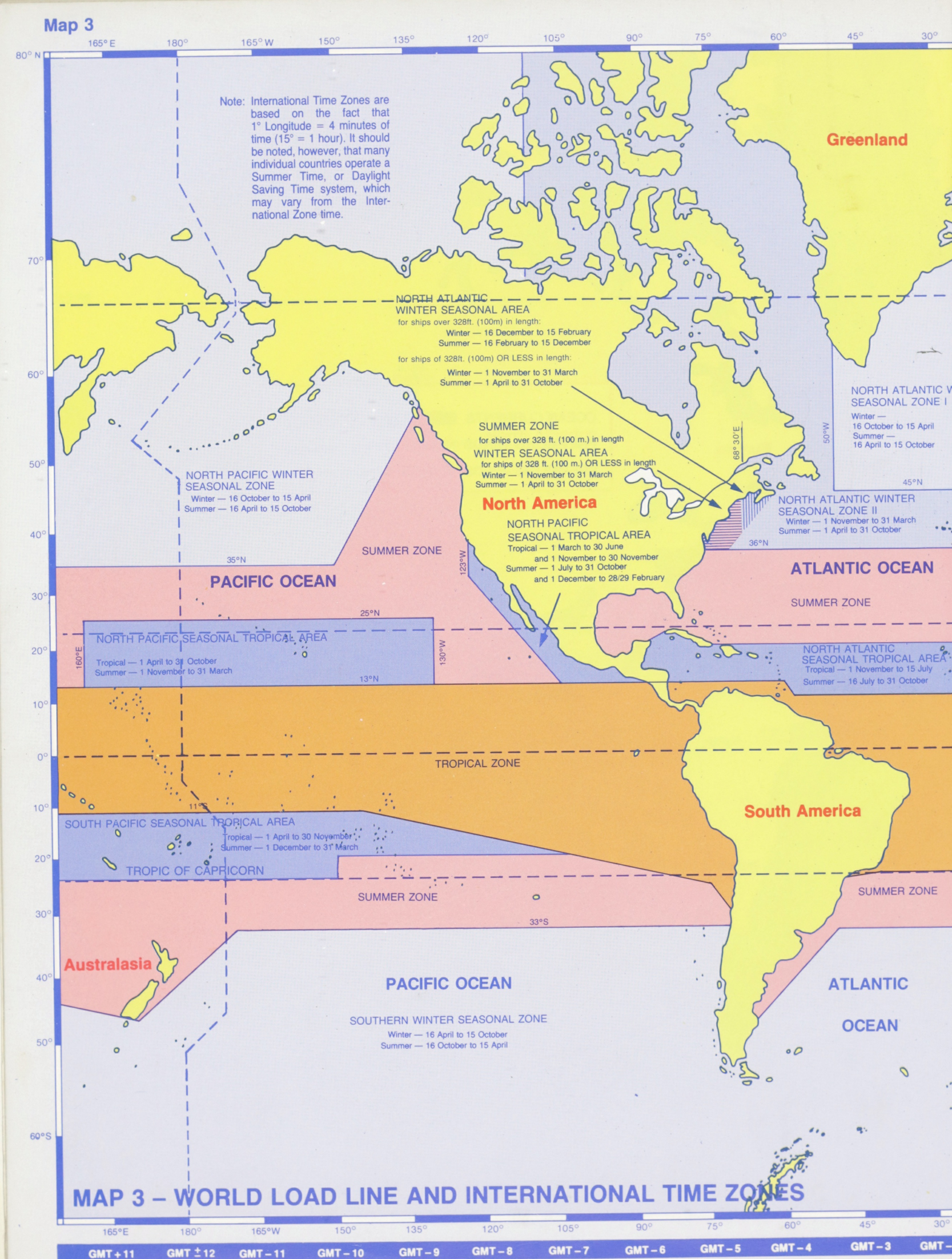


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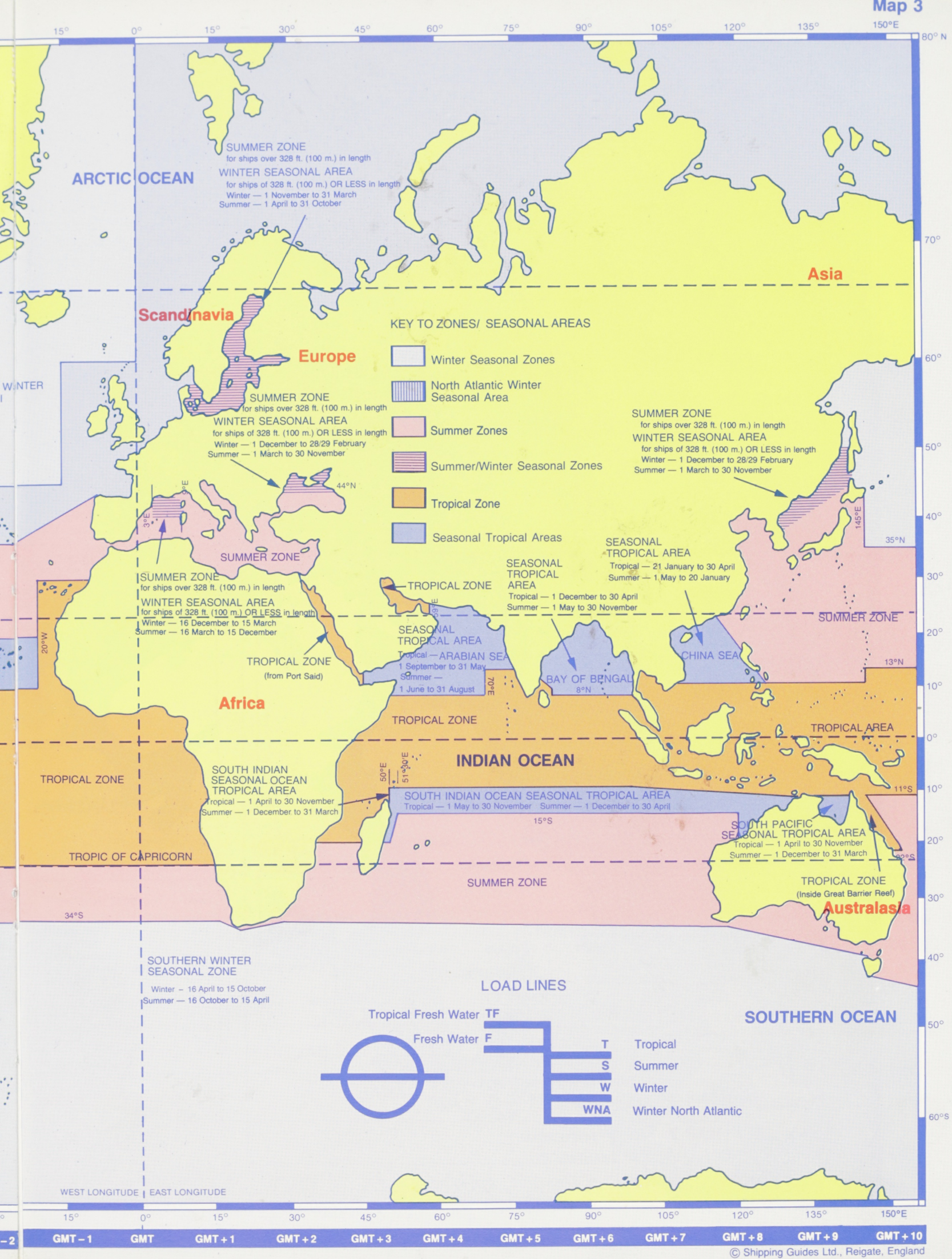


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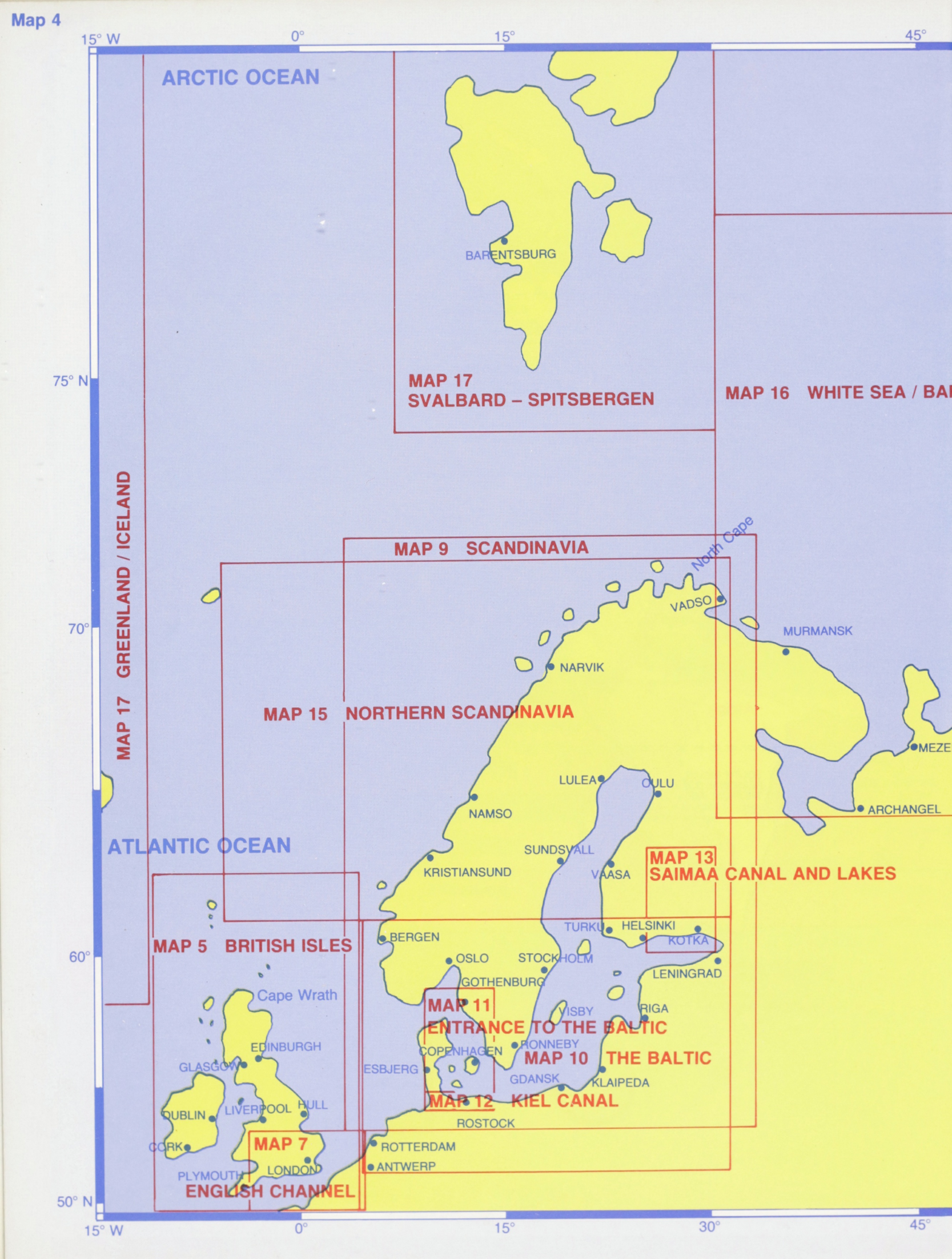
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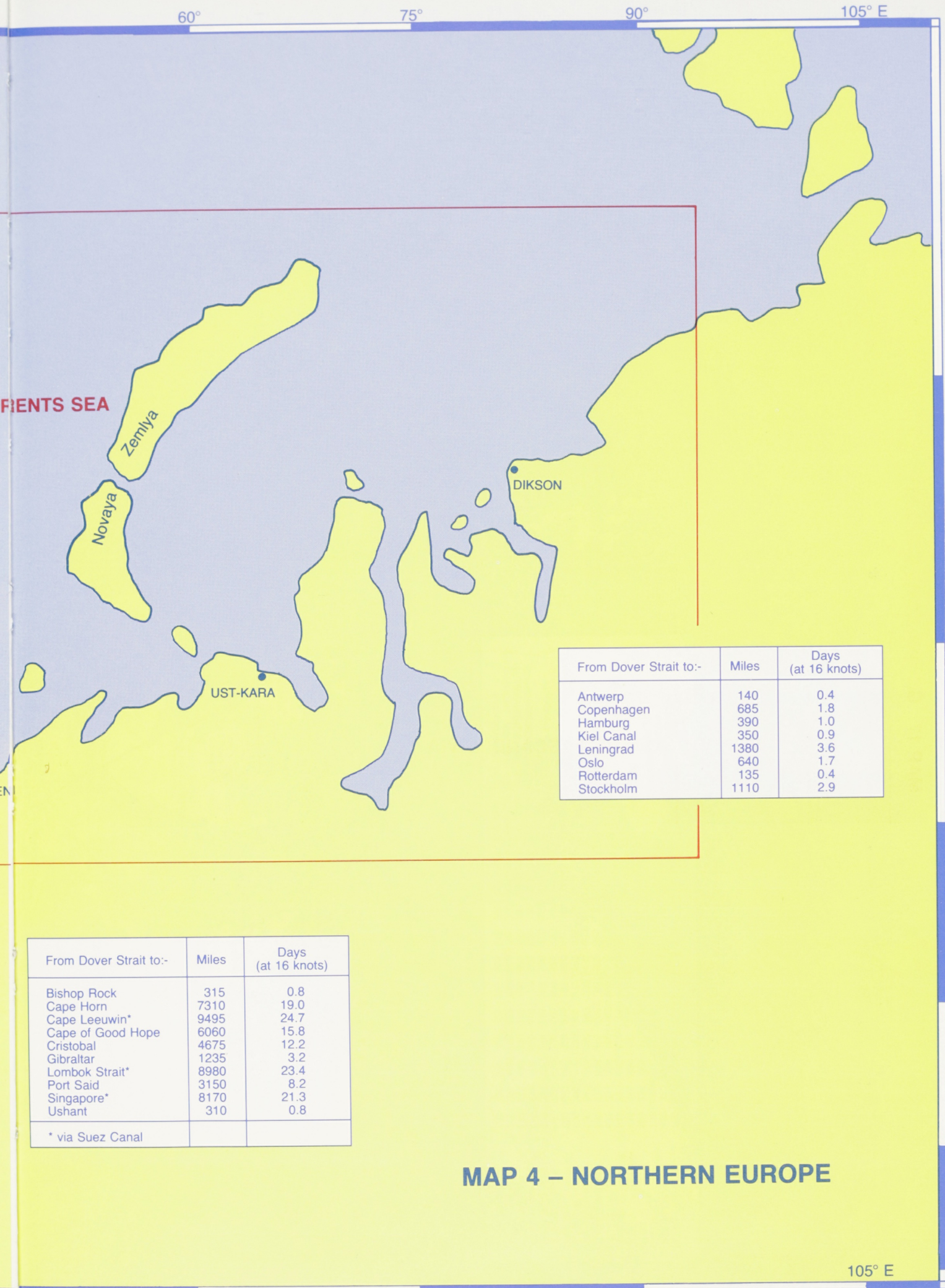


MAP 3 – WORLD LOAD LINE AND INTERNATIONAL TIME ZONES



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15° W
0°
15°
45°
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50° N
15° W
0°
15°
30°
45°

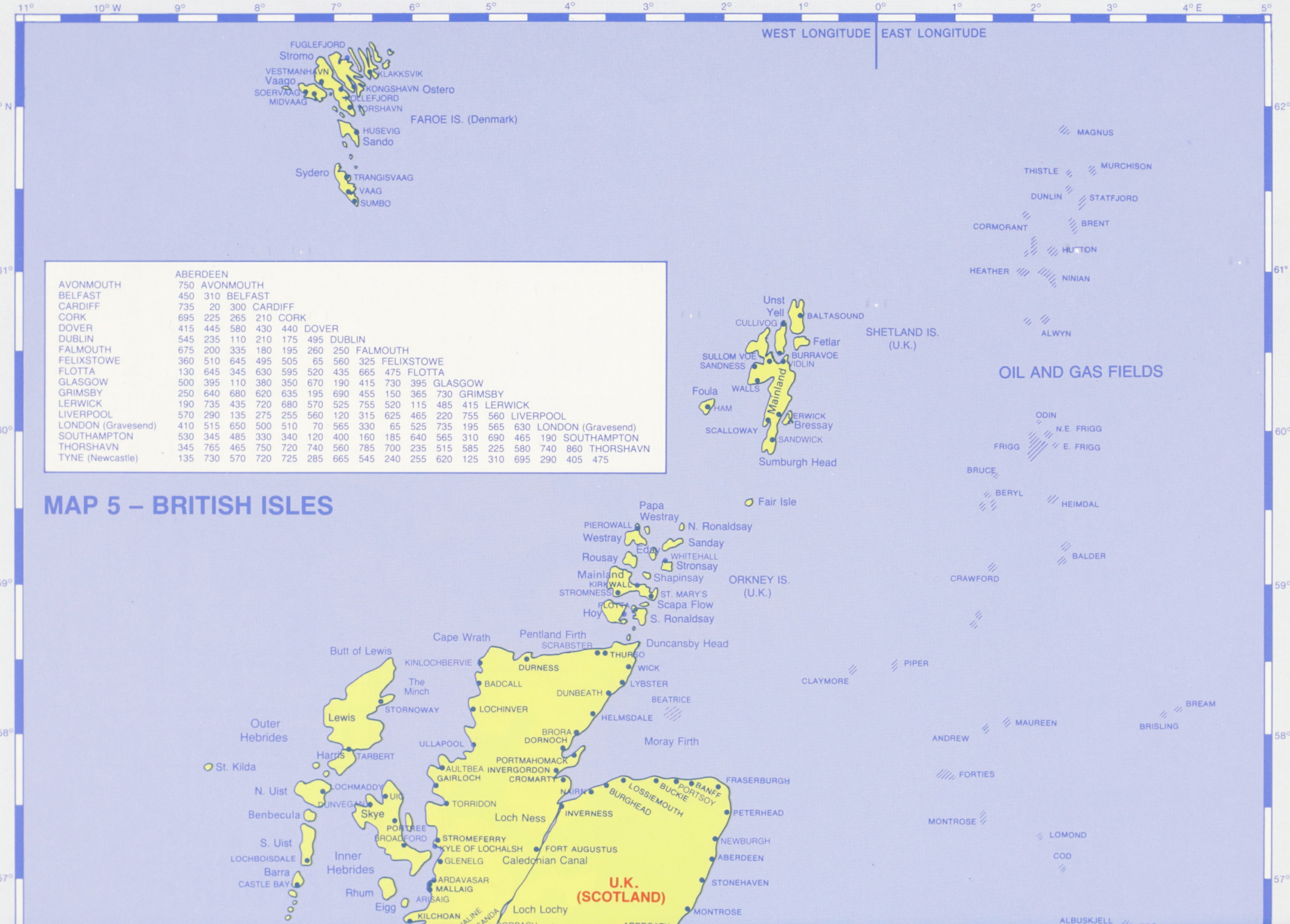


From Dover Strait to:-	Miles	Days (at 16 knots)
Antwerp	140	0.4
Copenhagen	685	1.8
Hamburg	390	1.0
Kiel Canal	350	0.9
Leningrad	1380	3.6
Oslo	640	1.7
Rotterdam	135	0.4
Stockholm	1110	2.9

From Dover Strait to:-	Miles	Days (at 16 knots)
Bishop Rock	315	0.8
Cape Horn	7310	19.0
Cape Leeuwin*	9495	24.7
Cape of Good Hope	6060	15.8
Cristobal	4675	12.2
Gibraltar	1235	3.2
Lombok Strait*	8980	23.4
Port Said	3150	8.2
Singapore*	8170	21.3
Ushant	310	0.8
* via Suez Canal		

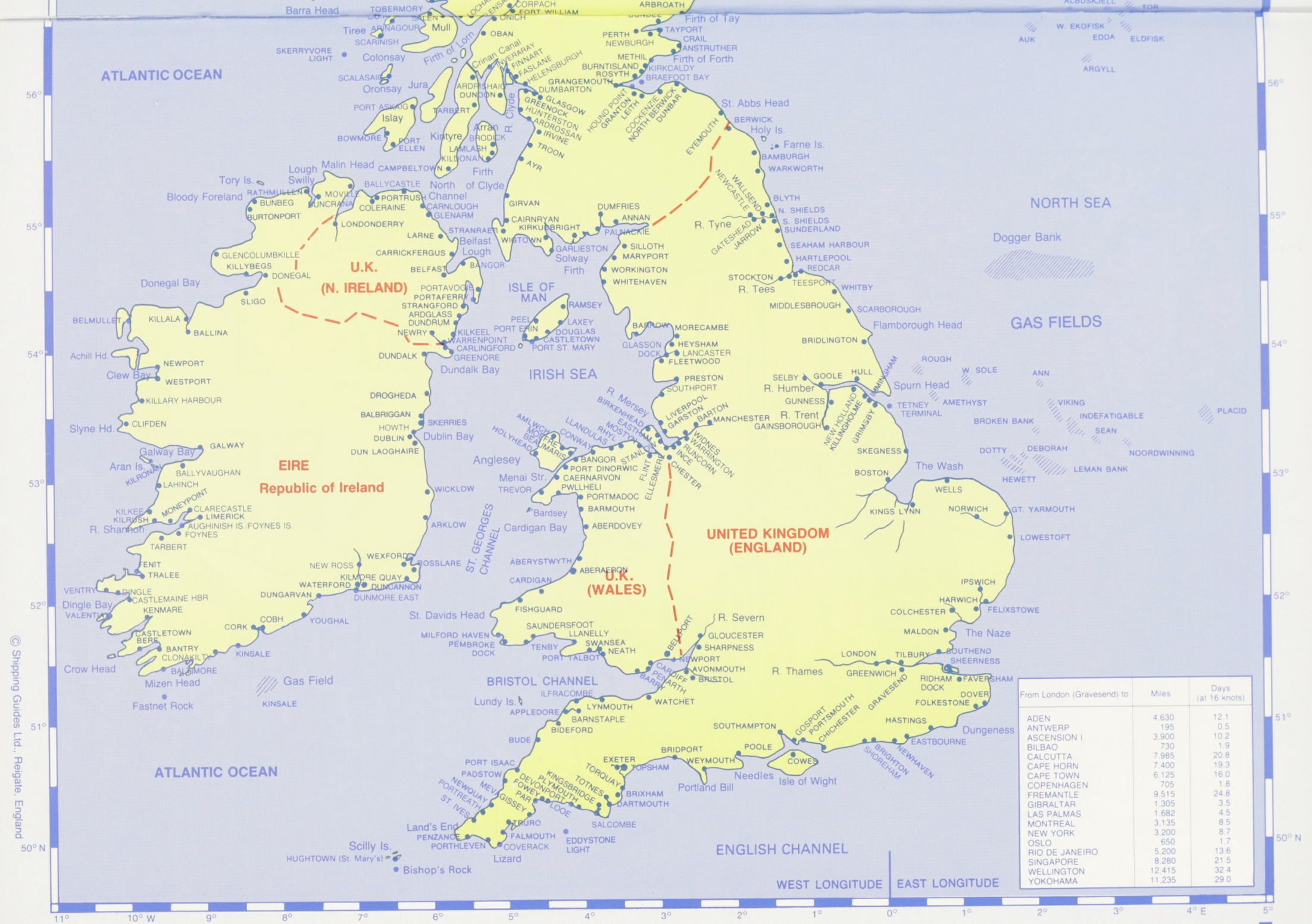
MAP 4 – NORTHERN EUROPE

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	ABERDEEN															
AVONMOUTH	750	AVONMOUTH														
BELFAST	450	310	BELFAST													
CARDIFF	735	20	300	CARDIFF												
CORK	695	225	265	210	CORK											
DOVER	415	445	580	430	440	DOVER										
DUBLIN	545	235	110	210	175	495	DUBLIN									
FALMOUTH	675	200	335	180	195	260	250	FALMOUTH								
FELIXSTOWE	360	510	645	495	505	65	560	325	FELIXSTOWE							
FLOTTA	130	645	345	630	595	520	435	665	475	FLOTTA						
GLASGOW	500	395	110	380	350	670	190	415	730	395	GLASGOW					
GRIMSBY	250	640	680	620	635	195	690	455	150	365	730	GRIMSBY				
LERWICK	190	735	435	720	680	570	525	755	520	115	485	415	LERWICK			
LIVERPOOL	570	290	135	275	255	560	120	315	625	465	220	755	560	LIVERPOOL		
LONDON (Gravesend)	410	515	650	500	510	70	565	330	65	525	735	195	565	630	LONDON (Gravesend)	
SOUTHAMPTON	530	345	485	330	340	120	400	160	185	640	565	310	690	465	190	SOUTHAMPTON
THORSHAVN	345	765	465	750	720	740	560	785	700	235	515	585	225	580	740	860 THORSHAVN
TYNE (Newcastle)	135	730	570	720	725	285	665	545	240	255	620	125	310	695	290	405 475

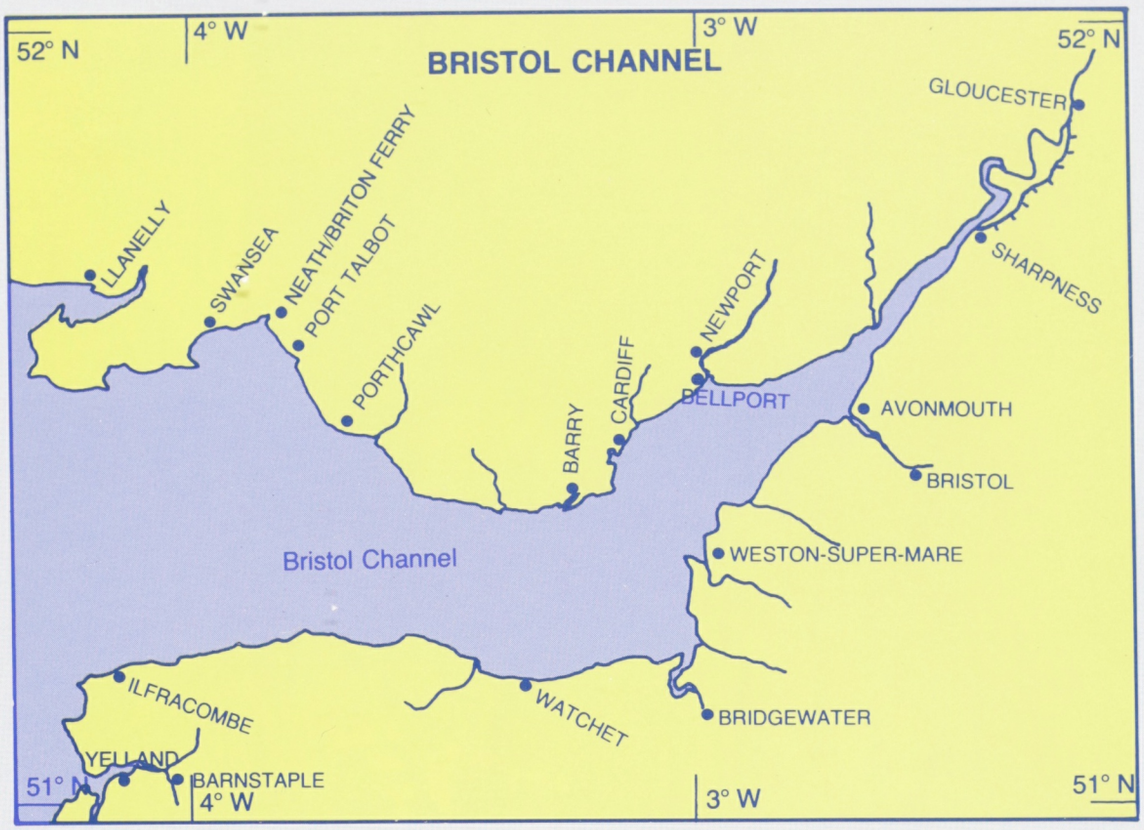
MAP 5 – BRITISH ISLES



From London (Gravesend) to:	Miles	Days (at 16 knots)
ADEN	4.630	12.1
ANTWERP	195	0.5
ASCENSION I.	3.900	10.2
BILBAO	730	1.9
CALCUTTA	7.985	20.8
CAPE HORN	7.400	19.3
CAPE TOWN	6.125	16.0
COPENHAGEN	705	1.8
FREMANTLE	9.515	24.8
GIBRALTAR	1.305	3.5
LAS PALMAS	1.682	4.5
MONTREAL	3.135	8.5
NEW YORK	3.200	8.7
OSLO	650	1.7
RIO DE JANEIRO	5.200	13.6
SINGAPORE	8.280	21.5
WELLINGTON	12.415	32.4
YOKOHAMA	11.235	29.0

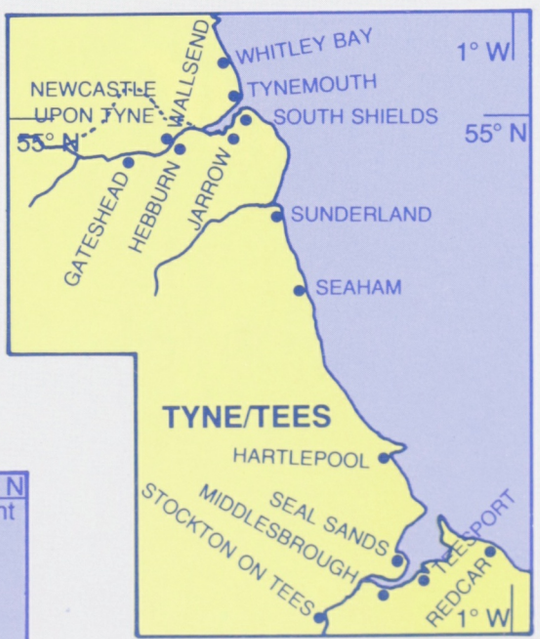
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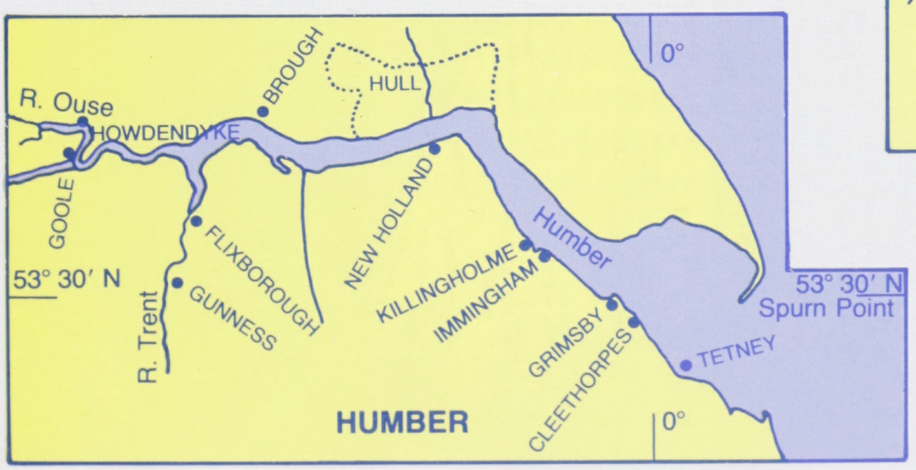
Map 5

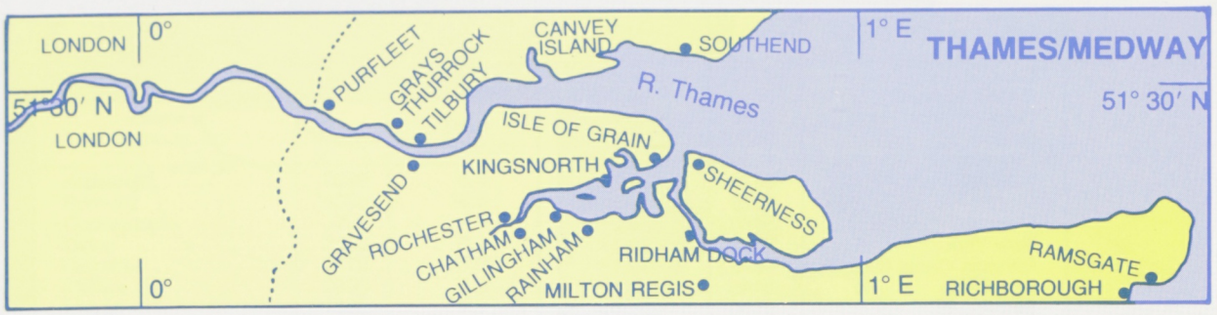

BRISTOL CHANNEL
52° N
4° W
3° W
52° N
GLOUCESTER
SHARPNESS
LLANELLY
SWANSEA
NEATH/BRITON FERRY
PORT TALBOT
PORTHCAWL
BARRY
CARDIFF
NEWPORT
BELLPORT
AVONMOUTH
BRISTOL
Bristol Channel
WESTON-SUPER-MARE
ILFRACOMBE
WATCHET
BRIDGEWATER
YELLAND
BARNSTAPLE
51° N
4° W
3° W
51° N

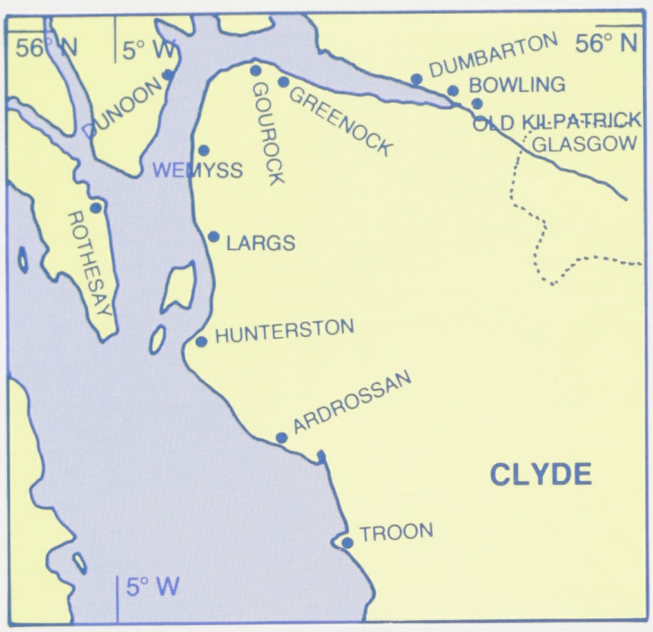

53° 30′ N
3° W
NEW BRIGHTON
WEST KIRBY
LIVERPOOL
MANCHESTER
53° 30′ N
WALLASEY
BIRKENHEAD
PORT SUNLIGHT
R. Mersey
RUNCORN
MERSEY
RHYL
MOSTYN
SHOTTON
ELLESMERE PORT
STANLOW
3° W

MAP 6


WHITLEY BAY
1° W
TYNEMOUTH
NEWCASTLE UPON TYNE
WALLSEND
SOUTH SHIELDS
55° N
55° N
GATESHEAD
HEBBURN
JARROW
SUNDERLAND
SEAHAM
TYNE/TEES
HARTLEPOOL
SEAL SANDS
MIDDLESBROUGH
STOCKTON ON TEES
REDCAR
1° W

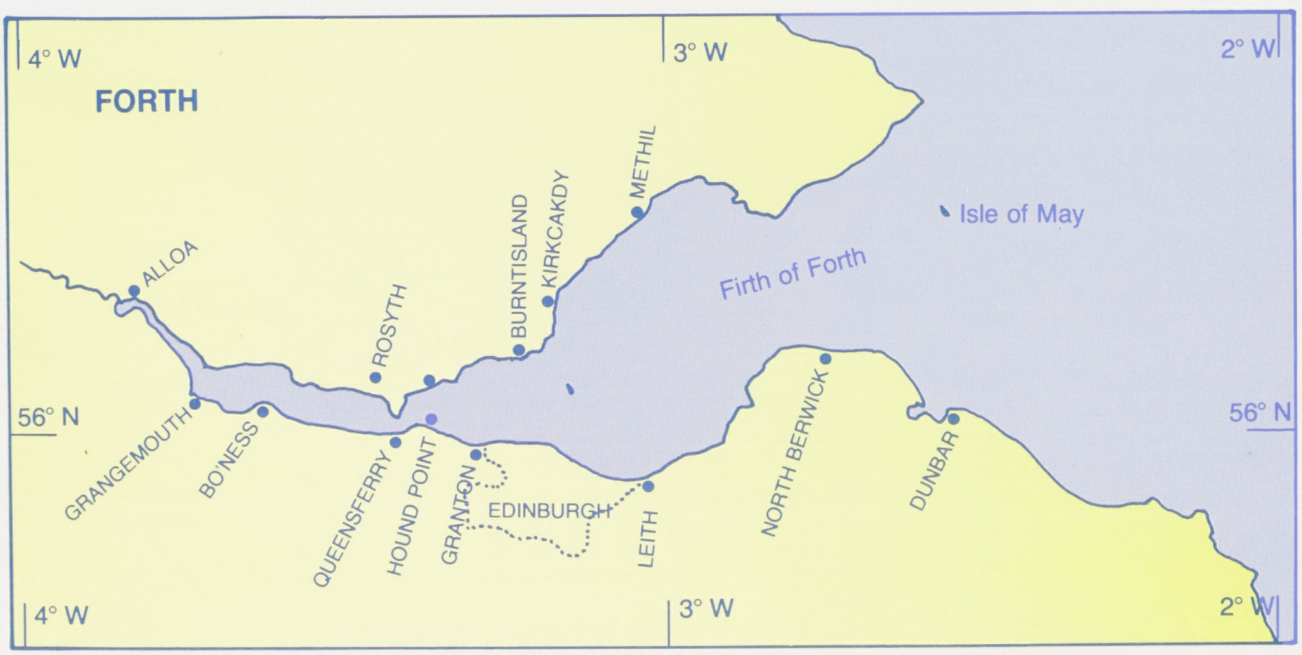

0°
R. Ouse
BROUGH
HULL
HOWDENDYKE
GOOLE
FLIXBOROUGH
NEW HOLLAND
Humber
53° 30′ N
R. Trent
GUNNESS
KILLINGHOLME
IMMINGHAM
53° 30′ N
Spurn Point
GRIMSBY
TETNEY
CLEETHORPES
HUMBER
0°







UNITED KINGDOM RIVER AREAS

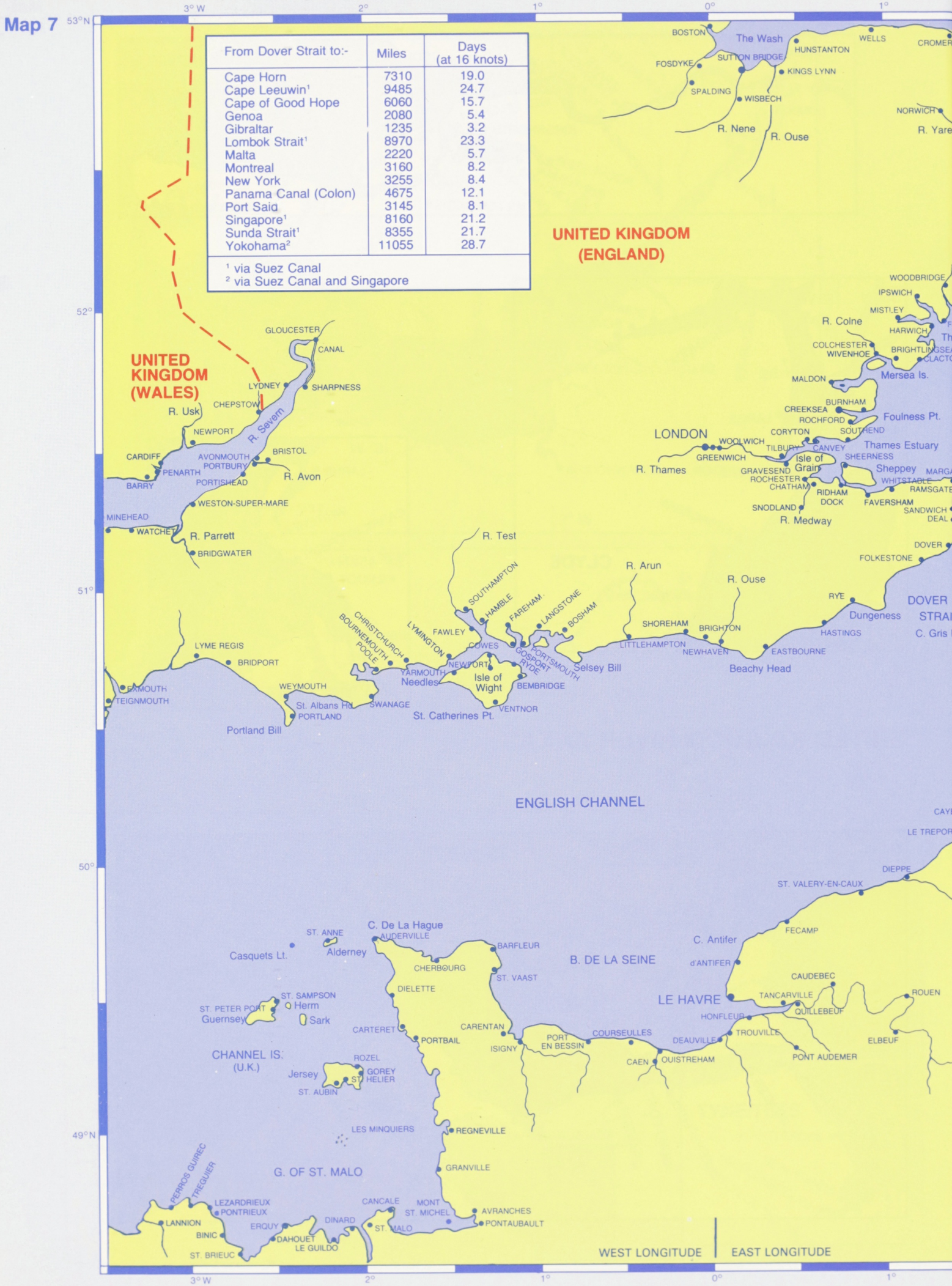


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Map 7

From Dover Strait to:-	Miles	Days (at 16 knots)
Cape Horn	7310	19.0
Cape Leeuwin[1]	9485	24.7
Cape of Good Hope	6060	15.7
Genoa	2080	5.4
Gibraltar	1235	3.2
Lombok Strait[1]	8970	23.3
Malta	2220	5.7
Montreal	3160	8.2
New York	3255	8.4
Panama Canal (Colon)	4675	12.1
Port Said	3145	8.1
Singapore[1]	8160	21.2
Sunda Strait[1]	8355	21.7
Yokohama[2]	11055	28.7

[1] via Suez Canal
[2] via Suez Canal and Singapore



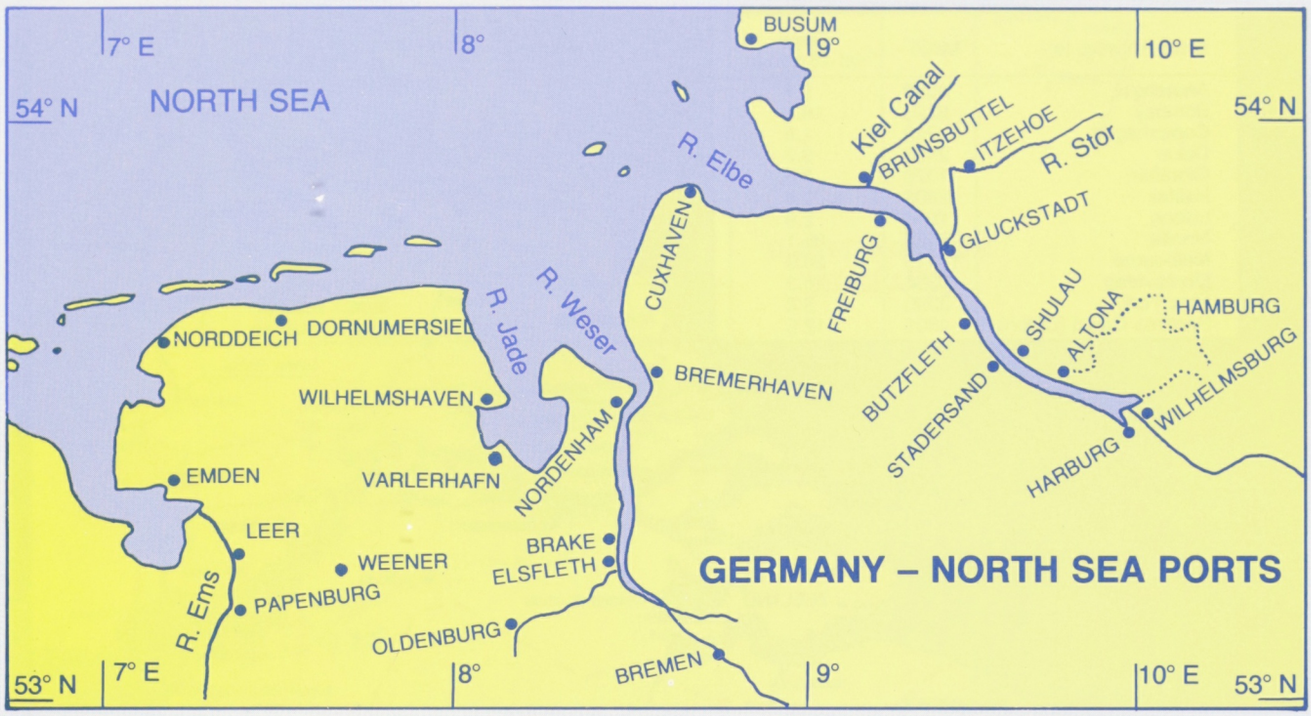


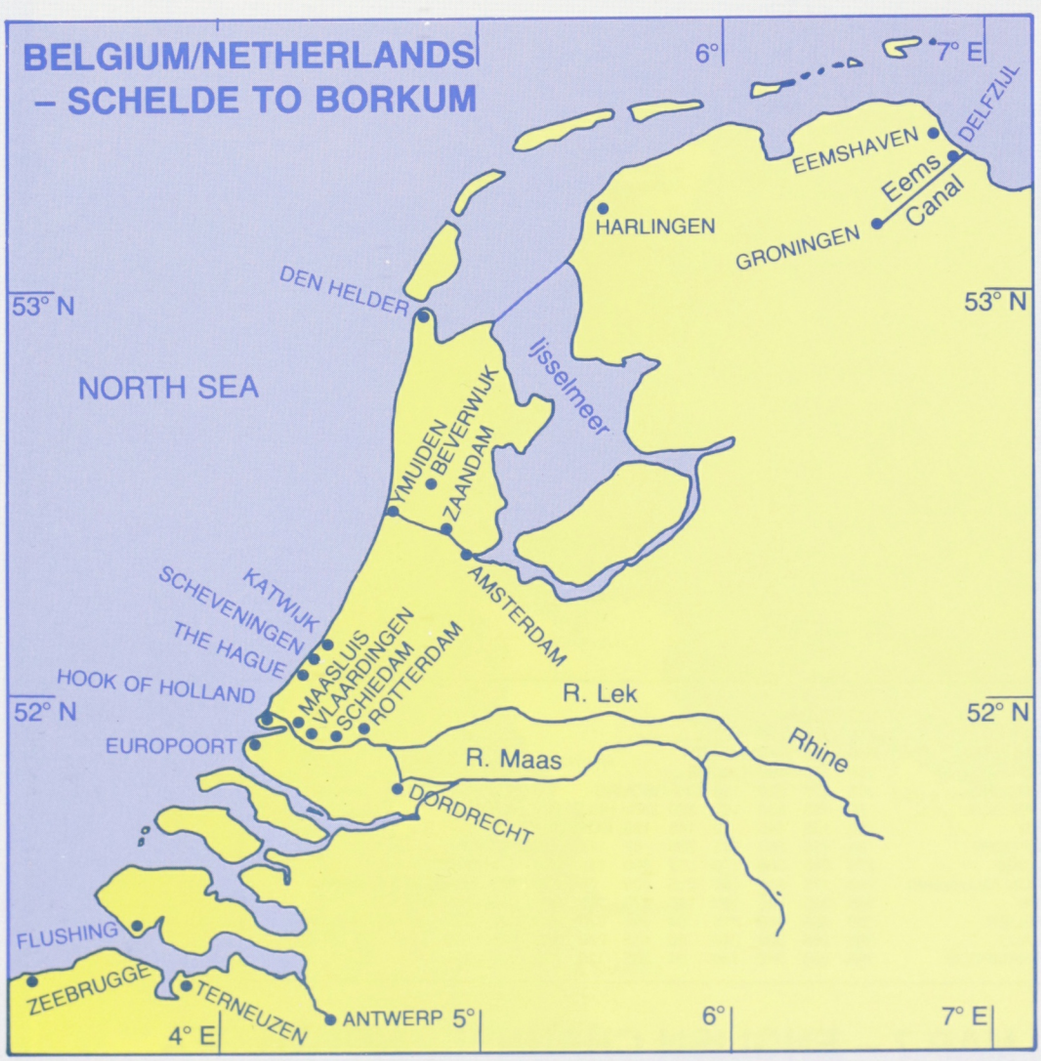
From Antwerp to:-	Miles	Days (at 16 knots)
Archangel	2090	5.4
Bombay	6325	16.5
Copenhagen	705	1.8
Dakar	2590	6.7
Gibraltar	1370	3.6
Halifax	2805	7.3
Lisbon	1090	2.9
Manila	9635	25.1
Melbourne	11115	28.9
Montevideo	6250	16.3
New York	3390	8.8
Panama Canal (Colon)	4805	12.5

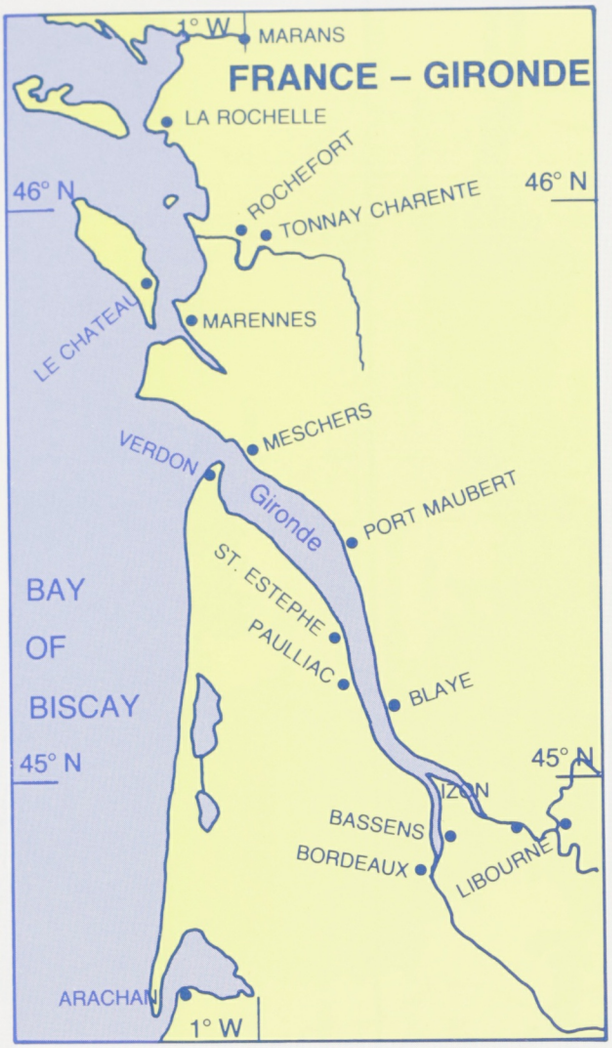
	AMSTERDAM											
ANTWERP	175	ANTWERP										
AVONMOUTH	605	580	AVONMOUTH									
CALAIS	160	130	460	CALAIS								
CHERBOURG	305	275	320	155	CHERBOURG							
DEN HELDER	50	185	630	165	320	DEN HELDER						
DOVER	160	135	445	20	145	185	DOVER					
EUROPOORT	53	135	560	115	260	67	115	EUROPOORT				
LE HAVRE	275	245	385	115	75	300	115	230	LE HAVRE			
LONDON (Gravesend)	190	175	515	85	215	205	70	150	185	LONDON (Gravesend)		
ROUEN	345	320	455	190	140	370	185	300	70	255	ROUEN	
ST. HELIER	390	365	310	215	64	390	205	320	130	275	200	ST. HELIER
ST. MALO	390	365	325	240	90	415	230	345	155	300	225	50 ST. MALO
SOUTHAMPTON	285	255	345	140	84	305	120	235	105	190	175	50 165

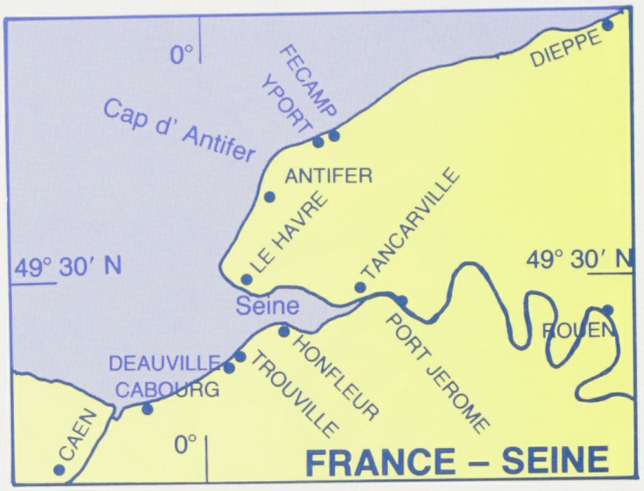
MAP 7 – ENGLISH CHANNEL / NORTH SEA

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7° E
8°
9°
10° E
54° N
NORTH SEA
BUSUM
Kiel Canal
BRUNSBUTTEL
ITZEHOE
R. Stor
R. Elbe
GLUCKSTADT
CUXHAVEN
FREIBURG
SHULAU
ALTONA
HAMBURG
WILHELMSBURG
HARBURG
STADERSAND
BUTZFLETH
BREMERHAVEN
R. Weser
R. Jade
NORDDEICH
DORNUMERSIEL
WILHELMSHAVEN
NORDENHAM
VARLERHAFN
EMDEN
LEER
WEENER
PAPENBURG
R. Ems
BRAKE
ELSFLETH
OLDENBURG
BREMEN
GERMANY – NORTH SEA PORTS
53° N


BELGIUM/NETHERLANDS
– SCHELDE TO BORKUM
6°
7° E
DELFZIJL
EEMSHAVEN
Eems
Canal
HARLINGEN
GRONINGEN
DEN HELDER
53° N
NORTH SEA
IJsselmeer
YMUIDEN
BEVERWIJK
ZAANDAM
AMSTERDAM
KATWIJK
SCHEVENINGEN
THE HAGUE
HOOK OF HOLLAND
MAASLUIS
VLAARDINGEN
SCHIEDAM
ROTTERDAM
52° N
R. Lek
EUROPOORT
R. Maas
Rhine
DORDRECHT
FLUSHING
ZEEBRUGGE
TERNEUZEN
ANTWERP
5°
4° E

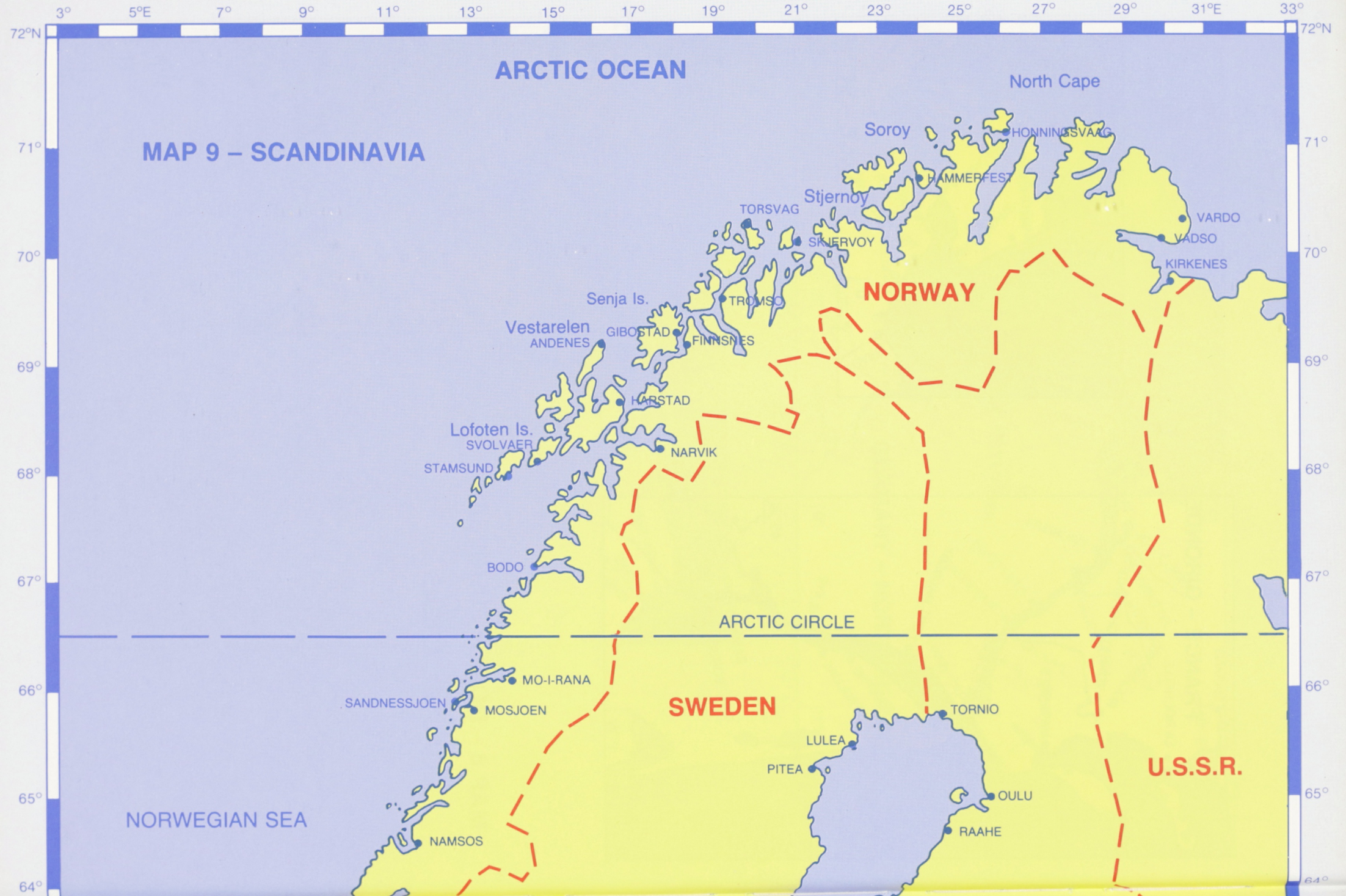


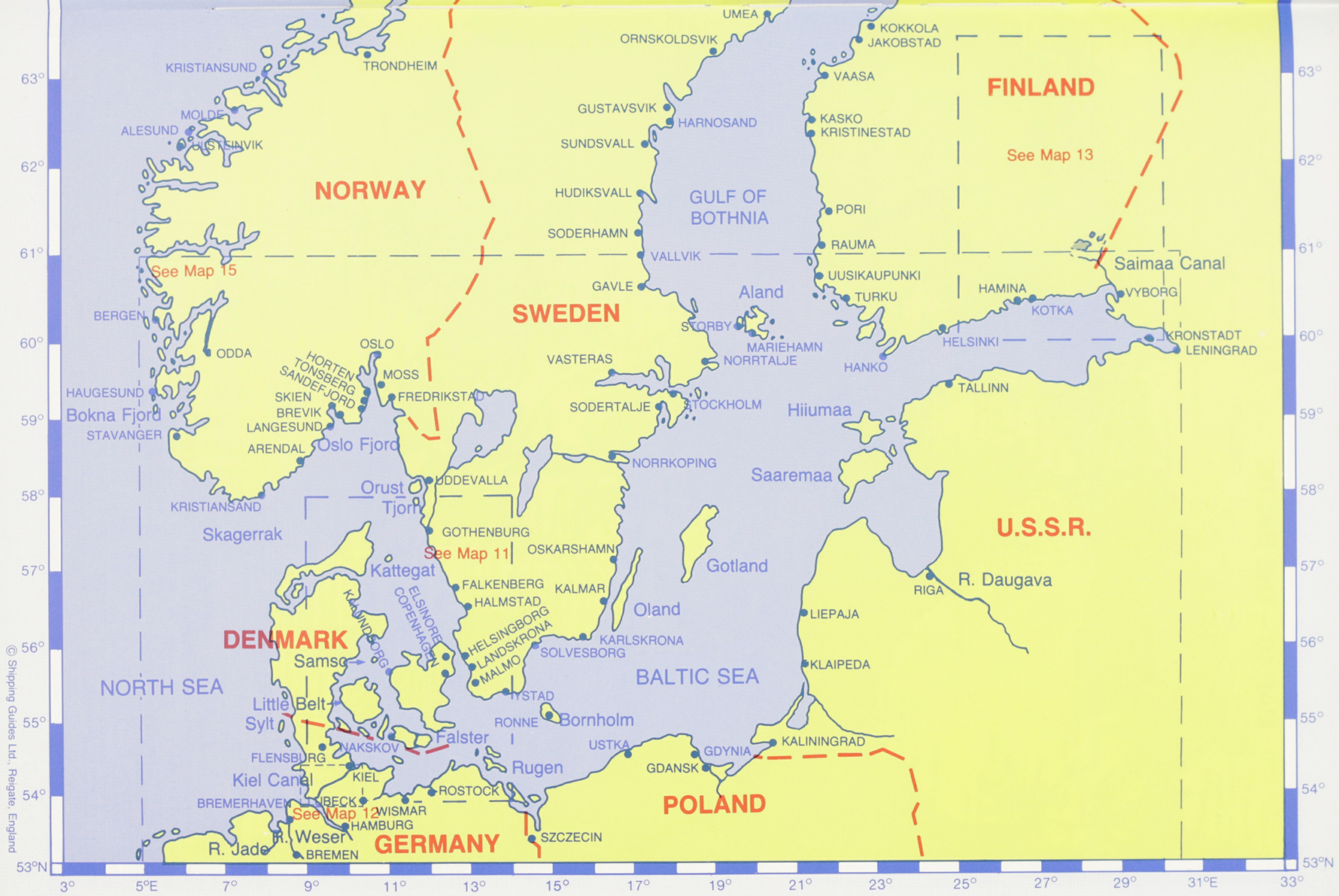


MAP 8 – NORTH EUROPEAN COASTAL AREAS



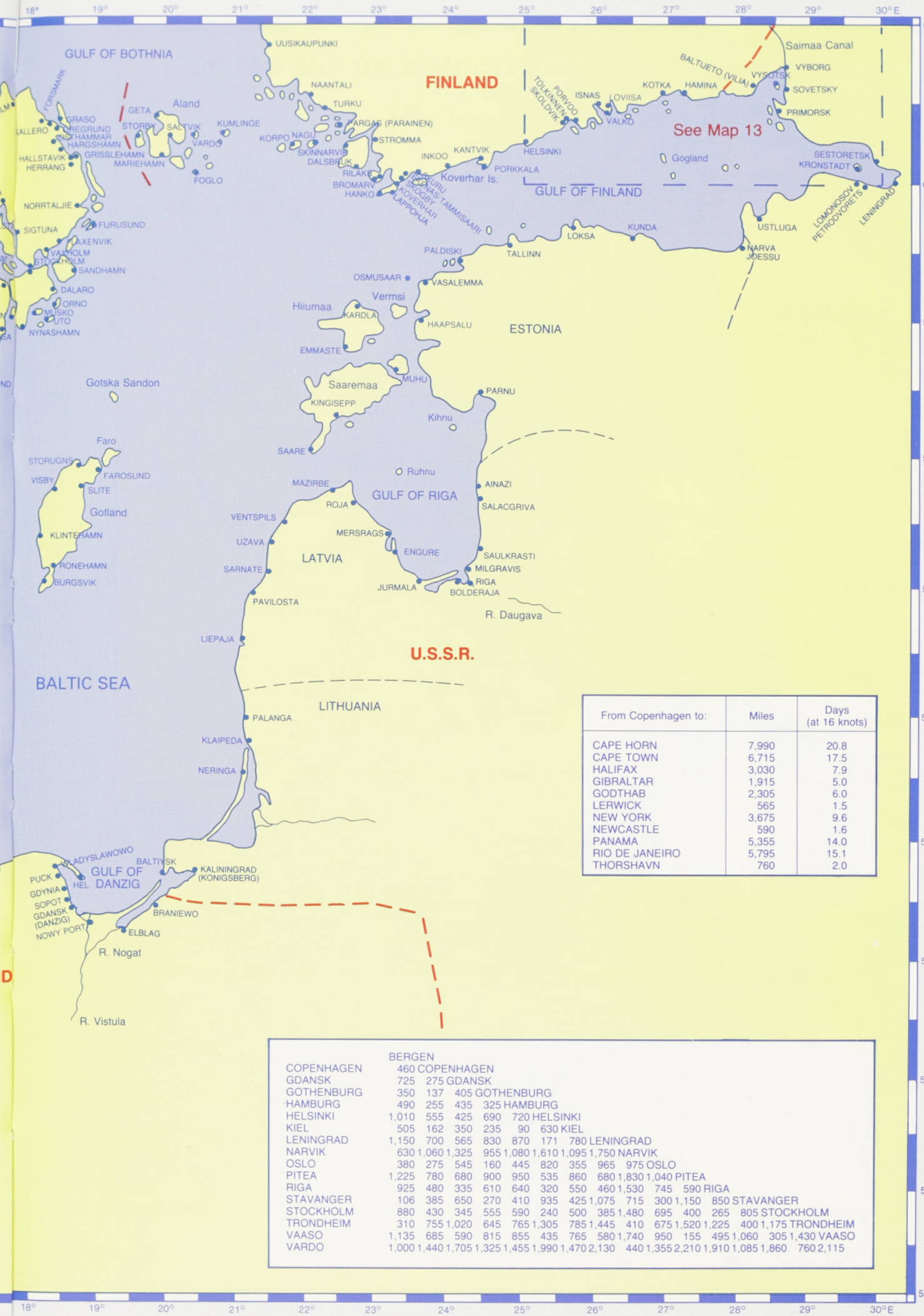
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3°
5°E
7°
9°
11°
13°
15°
17°
19°
21°
23°
25°
27°
29°
31°E
33°
72°N
71°
70°
69°
68°
67°
66°
65°
64°
ARCTIC OCEAN
MAP 9 – SCANDINAVIA
North Cape
Soroy
HONNINGSVAAG
HAMMERFEST
Stjernoy
TORSVAG
SKJERVOY
VARDO
VADSO
KIRKENES
NORWAY
Senja Is.
TROMSO
Vestarelen
ANDENES
GIBOSTAD
FINNSNES
HARSTAD
Lofoten Is.
SVOLVAER
NARVIK
STAMSUND
BODO
ARCTIC CIRCLE
MO-I-RANA
SANDNESSJOEN
MOSJOEN
SWEDEN
TORNIO
LULEA
PITEA
OULU
RAAHE
U.S.S.R.
NORWEGIAN SEA
NAMSOS



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MAP 10 – THE BALTIC
NORWAY
SWEDEN
DENMARK
NORTH SEA
FEDERAL REPUBLIC OF GERMANY
NETHERLANDS
POLAND
See Map 8
See Map 11
See Map 12
The Skaw
Skagerrak
Kattegat
Oslo Fjord
Great Belt
Little Belt
The Sound
Kalmar Sound
Heligoland Bight
Frisian Islands
Nth. Frisian Islands
Dan Field
Jutland
Zealand
Funen
Lolland
Falster
Mon
Bornholm (Denmark)
Oland
Rugen
Anholt Is.
Samso
Fano
Sylt
Foht
Amrum
Texel
Terschelling
Vaner
Tjorn
Orust
Hjalmaren
L. Vattern
L. Glan
L. Roxen
Gota Canal
Trollhatte Canal
Kiel Canal
R. Elbe
R. Weser
R. Ems
R. Rhine
IJsselmeer
C. Arkona
MONGSTAD
EIKEFET
STURE
VAKSDAL
AGOTNES
BERGEN
NORHEIMSUND
ALVIK
ODDA
Stordoy
Bomlo
HUSNES
AKRA
LERVIK
ESPEVAER
SAUDA
SKANEVIK
HAUGESUND
SAND
Karmoy
KOPERVIK
KARSTO
SKUDENESHAVN
Bokna Fjord
STRAND
STAVANGER
FRAFJORD
SOLA
SANDNES
NAERBO
EGERSUND
REKEFJORD
FLEKKEFJORD
KVINESDAL
LYNGDAL
SPANGAREID
FARSUND
Lindesnes
MANDAL
KRISTIANSAND
LILLESAND
GRIMSTAD
ARENDAL
TVEDESTRAND
RISOR
LYNGOR
LANGESUND
KRAGERO
BREVIK
LARVIK
FREDRIKSTAD
MENSTAD
HEROYA
SKIEN
SLEMMESTAD
DRAMMEN
SVELVIK
HOLMESTRAND
HORTEN
TONSBERG
SLAGEN
SANDEFJORD
TOFTE
DROBAK
FAGERSTRAND
OSLO
MOSS
SARPSBORG
HALDEN
KROKSTRAND
STROMSTAD
GREBBESTAD
FJALLBACKA
BOVALLSTRAND
SMOGEN
BROFJORDEN
LYSEKIL
MUNKEDAL
SKREDSVIK
UDDEVALLA
WALLHAMN
GOTA STENUNGSUND
TROLLHATTAN
VANERSBORG
ANGHOLMEN
MARSTRAND
SURTE
GOTHENBURG
SKAGEN
HIRTSHALS
LOKKEN
FREDERIKSHAVN
VESTERHAVN
SARO
ONSALA
Laeso
VARBERG
FALKENBERG
HALMSTAD
BASTAD
HANSTHOLM
THISTED
NORRESUNDBY
AALBORG
HALS
LOGSTOR
NYKOBING
KONGSDAL
MARIAGER
HOBRO
THYBORON
LEMVIG
SKIVE
STRUER
TORSMINDE
RANDERS
GRENAA
ANHOLT
RINGKOBING
AARHUS
EBELTOFT
HORSENS
NYMINDEGAB
VEJLE
FREDERICIA
SKAERBAEK
KOLDING
KALUNDBORG
ASNAES
HOLBAK
KYNDBY
MIDDELFART
ODENSE
ASSENS
ESBJERG
NORDBY
RIBE
AABENRAA
HOJER
SONDERBORG
LIST
HORNUM
WYK
FLENSBURG
HUSUM
TONNING
HOLTENAU
ECKERNFORDE
KIEL
RENDSBURG
NEUSTADT
TRAVEMUNDE
ITZEHOE
GLUCKSTADT
BUSUM
HELIGOLAND
BRUNSBUTTEL
CUXHAVEN
BUTZFLETH
STADERSAND
NORDENHAM
HARBURG
ALTONA
HAMBURG
SCHULAU
NORDERNEY
BORKUM
NORDDEICH
EEMSHAVEN
WILHELMSHAVEN
EMDEN
BRAKE
ELSFLETH
VEGESACK
OLDENBURG
FARGE
BREMEN
PAPENBURG
LEER
DELFZIJL
GRONINGEN
LEEUWARDEN
HARLINGEN
LEMMER
ARNHEM
NIJMEGAN
KREFELD
DUISBURG
DUSSELDORF
BREMERHAVEN
R. Jade
KORSOR
GULFHAVEN
KOGE
COPENHAGEN
HELSINGOR
HELSINGBORG
GILLELEJE
HOGANAS
MALMO
LANDSKRONA
FALSTERBO
YSTAD
KIVIK
AHUS
SOLVESBORG
SIMRISHAMN
TRELLEBORG
FAKSE LADEPLADS
VORDINGBORG
STEGE
NYKOBING
GEDSER
BANDHOLM
RODBY
PUTTGARTEN
WARNEMUNDE
RIBNITZ
ROSTOCK
WISMAR
STRALSUND
ZINNOWITZ
PEENEMUNDE
LAUTERBACH
WOLGAST
UECKERMUNDE
SWINOUJSCIE
KAMIEN
WOLIN
SZCZECIN (STETTIN)
KOLOBRZEG (KOLBERG)
USTKA
DARLOWO
SANDVIG
ALLINGE
CHRISTIANSO
SVANEKE
NEKSO
RONNE
HASLE
KARLSHAMN
STERNO
RONNEBY
STILLERYD
KARLSKRONA
BERGQVARA
OTTENBY
MORBYLANGA
DEGERHAMN
BORGHOLM
KALMAR
PATAHOLM
MONSTERAS
OSKARSHAMN
PASKALLAVIK
BLANKAHOLM
FIGEHOLM
VASTERVIK
GAMLEBY
HALGENAS
VALDERMARSVIK
GRANNA
JONKOPING
LIDKOPING
MOTALA
HONSATER
MELLERUD
ASKERSUND
SJOTORP
OTTERBACKEN
SAFFLE
AMAL
GRUVON
SKOGHALL
KARLSTAD
KRISTINEHAMN
OREBRO
ESKILSTUNA
STRANGNAS
SODERTALJE
VASTERAS
KOPING
ARBOGA
KUNGSOR
ENKOPING
BALSTA
TORSHALLA
UPPSALA
OAXEN
TROSA
NYKOPING
OXELOSUND
DJURON
BRAVIKEN
NORRKOPING
MEM
ARKOSUND
SODERKOPING
NORSHOLM
NORRSUNDET
GAVLE
KARSKAR
SKUTSKAR



From Copenhagen to:	Miles	Days (at 16 knots)
CAPE HORN	7,990	20.8
CAPE TOWN	6,715	17.5
HALIFAX	3,030	7.9
GIBRALTAR	1,915	5.0
GODTHAB	2,305	6.0
LERWICK	565	1.5
NEW YORK	3,675	9.6
NEWCASTLE	590	1.6
PANAMA	5,355	14.0
RIO DE JANEIRO	5,795	15.1
THORSHAVN	760	2.0

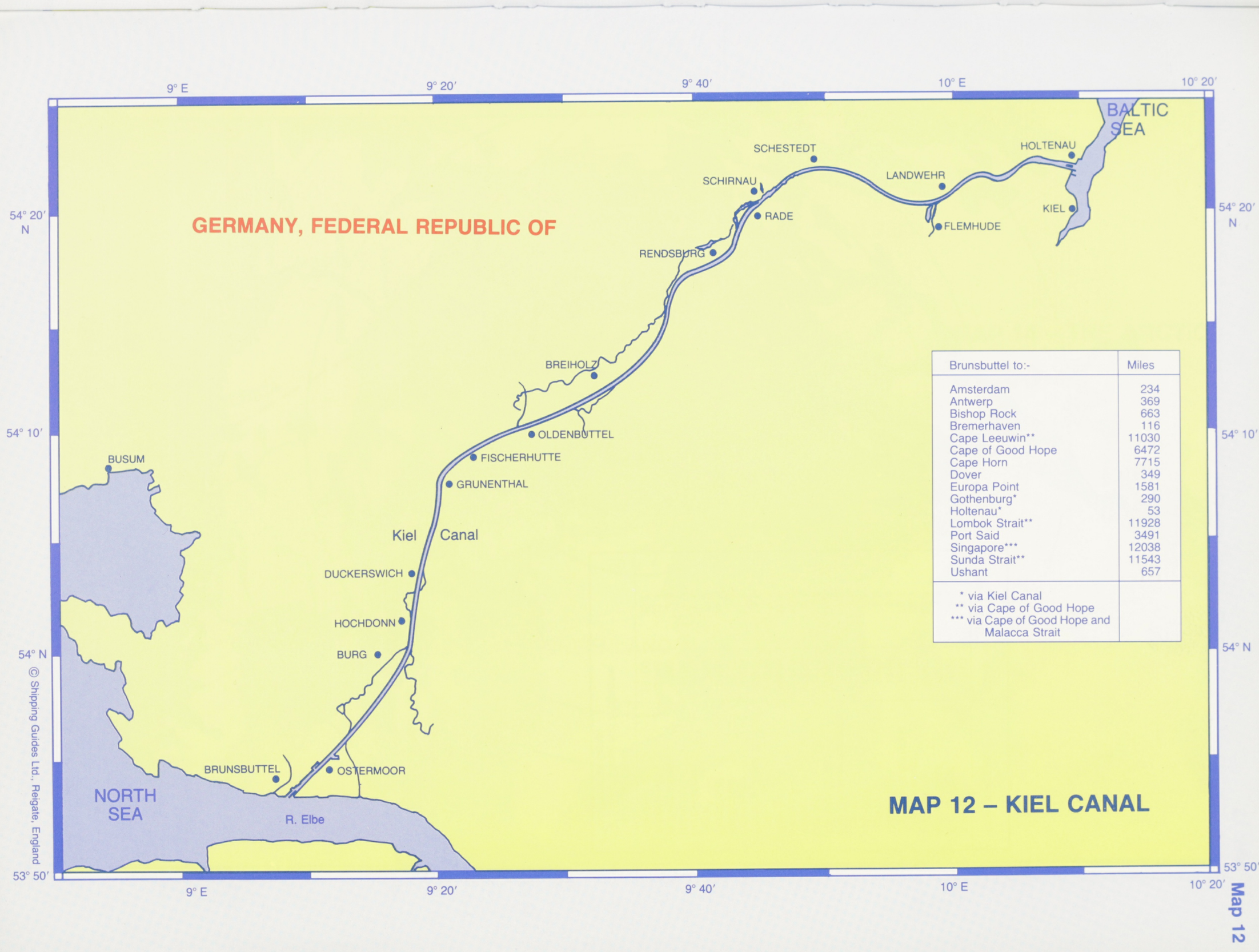
	BERGEN												
COPENHAGEN	460	COPENHAGEN											
GDANSK	725	275	GDANSK										
GOTHENBURG	350	137	405	GOTHENBURG									
HAMBURG	490	255	435	325	HAMBURG								
HELSINKI	1,010	555	425	690	720	HELSINKI							
KIEL	505	162	350	235	90	630	KIEL						
LENINGRAD	1,150	700	565	830	870	171	780	LENINGRAD					
NARVIK	630	1,060	1,325	955	1,080	1,610	1,095	1,750	NARVIK				
OSLO	380	275	545	160	445	820	355	965	975	OSLO			
PITEA	1,225	780	680	900	950	535	860	680	1,830	1,040	PITEA		
RIGA	925	480	335	610	640	320	550	460	1,530	745	590	RIGA	
STAVANGER	106	385	650	270	410	935	425	1,075	715	300	1,150	850	STAVANGER
STOCKHOLM	880	430	345	555	590	240	500	385	1,480	695	400	265	805 STOCKHOLM
TRONDHEIM	310	755	1,020	645	765	1,305	785	1,445	410	675	1,520	1,225	400 1,175 TRONDHEIM
VAASO	1,135	685	590	815	855	435	765	580	1,740	950	155	495	1,060 305 1,430 VAASO
VARDO	1,000	1,440	1,705	1,325	1,455	1,990	1,470	2,130	440	1,355	2,210	1,910	1,085 1,860 760 2,115

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Map 11



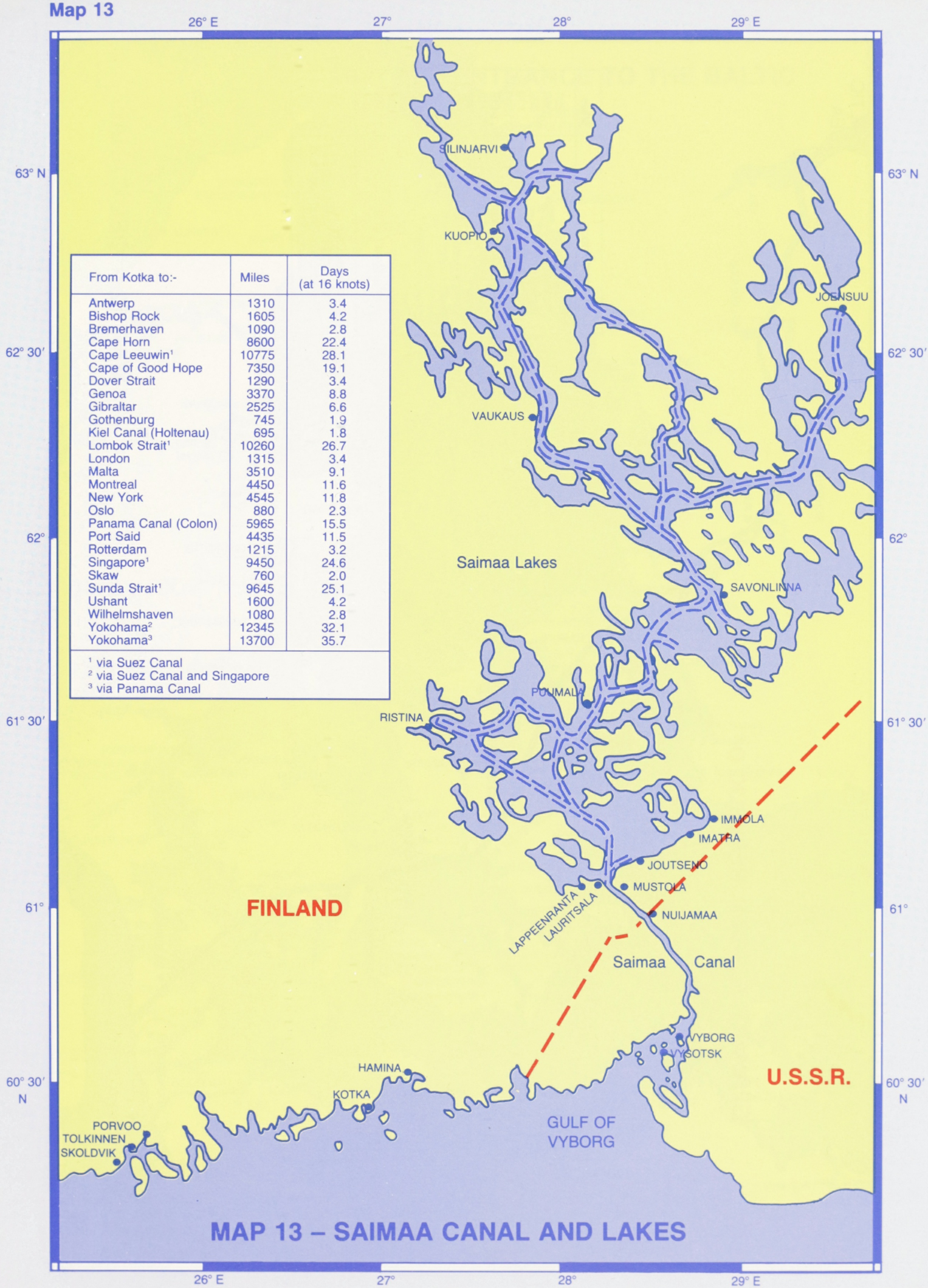
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Brunsbuttel to:-	Miles
Amsterdam	234
Antwerp	369
Bishop Rock	663
Bremerhaven	116
Cape Leeuwin**	11030
Cape of Good Hope	6472
Cape Horn	7715
Dover	349
Europa Point	1581
Gothenburg*	290
Holtenau*	53
Lombok Strait**	11928
Port Said	3491
Singapore***	12038
Sunda Strait**	11543
Ushant	657

* via Kiel Canal
** via Cape of Good Hope
*** via Cape of Good Hope and Malacca Strait

Map 13



From Kotka to:-	Miles	Days (at 16 knots)
Antwerp	1310	3.4
Bishop Rock	1605	4.2
Bremerhaven	1090	2.8
Cape Horn	8600	22.4
Cape Leeuwin[1]	10775	28.1
Cape of Good Hope	7350	19.1
Dover Strait	1290	3.4
Genoa	3370	8.8
Gibraltar	2525	6.6
Gothenburg	745	1.9
Kiel Canal (Holtenau)	695	1.8
Lombok Strait[1]	10260	26.7
London	1315	3.4
Malta	3510	9.1
Montreal	4450	11.6
New York	4545	11.8
Oslo	880	2.3
Panama Canal (Colon)	5965	15.5
Port Said	4435	11.5
Rotterdam	1215	3.2
Singapore[1]	9450	24.6
Skaw	760	2.0
Sunda Strait[1]	9645	25.1
Ushant	1600	4.2
Wilhelmshaven	1080	2.8
Yokohama[2]	12345	32.1
Yokohama[3]	13700	35.7

[1] via Suez Canal
[2] via Suez Canal and Singapore
[3] via Panama Canal

MAP 13 – SAIMAA CANAL AND LAKES

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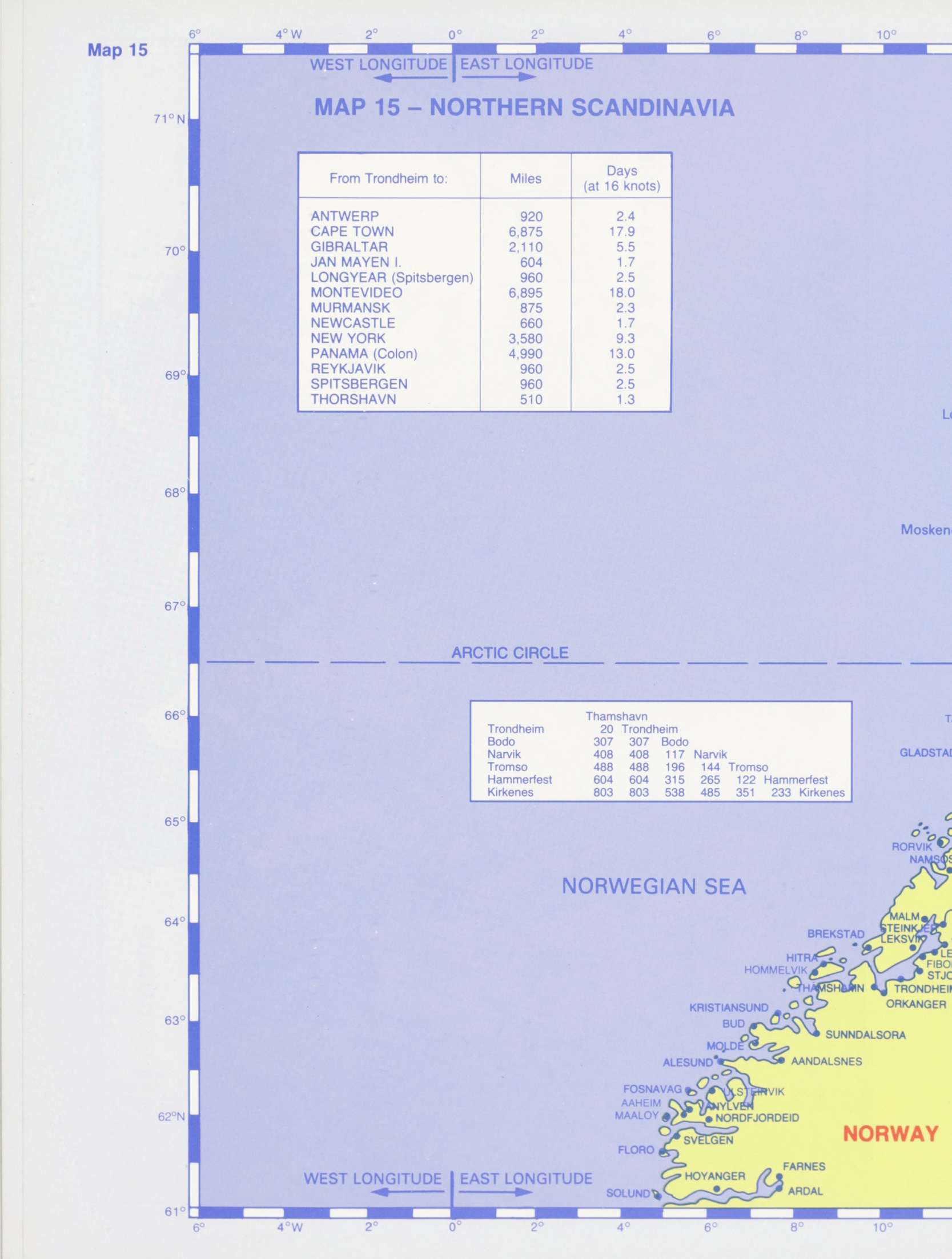


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MAP 15 – NORTHERN SCANDINAVIA

From Trondheim to:	Miles	Days (at 16 knots)
ANTWERP	920	2.4
CAPE TOWN	6,875	17.9
GIBRALTAR	2,110	5.5
JAN MAYEN I.	604	1.7
LONGYEAR (Spitsbergen)	960	2.5
MONTEVIDEO	6,895	18.0
MURMANSK	875	2.3
NEWCASTLE	660	1.7
NEW YORK	3,580	9.3
PANAMA (Colon)	4,990	13.0
REYKJAVIK	960	2.5
SPITSBERGEN	960	2.5
THORSHAVN	510	1.3

	Thamshavn					
Trondheim	20	Trondheim				
Bodo	307	307	Bodo			
Narvik	408	408	117	Narvik		
Tromso	488	488	196	144	Tromso	
Hammerfest	604	604	315	265	122	Hammerfest
Kirkenes	803	803	538	485	351	233 Kirkenes





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MAP 16 – WHITE SEA / BARENTS SEA

From Murmansk to:	Miles	Days (at 16 knots)
ANTWERP	1,725	4.5
CAPE HORN	8,895	23.2
CAPE TOWN	7,670	20.0
COPENHAGEN	1,530	4.0
GIBRALTAR	2,895	7.5
HALIFAX	3,545	9.2
LONGYEAR (Spitsbergen)	710	1.9
NEWCASTLE	1,465	3.8
OSLO	1,450	3.8
PANAMA (Colon)	5,660	14.7
RIO DE JANEIRO	7,000	18.2
VLADIVOSTOCK	12,825	33.4

30° E 35° 40° 45° 50° 55° 60°

77° N 76° 75° 74° 73° 72° 71° 70° 69° 68° 67° 66° 65° 64° N

ARCTIC OCEAN

Cape Nass

NO

Admiralty Pen.

Chekin Fjo

Matochkin Strait

Moller Bay

MALYYE KARMAKULY

Mezdusharski I.

KRASINO

Kara St

VAIGACH

VARNEKA

Yugorski Str.

Sea of Pechorskaya

KHABAROV

Approximate Southern Limit of Drift Ice

NORWAY

BARENTS SEA

VARDO

PECHENGA

Kola Inlet

PORT VLADIMIR

POLYARNY

KOLA

GAVRILOVO

SEVEROMORSK

MURMANSK

BYNDA

VARZINO

Kolguyev Is.

BUGRINO

C. Kanin

GREMIKHA

LUMBOVKA

KOLSKIY PENINSULA

SHOYNA

GULF OF CHESHSKAYA

INDIGA

NARYAN MAR

KNYAZHAYA

KANDALAKSHA

GUBA

PIRYU GUBA

KOVDA

PONOI

CHIZHA

VELIKAYA

VOLONGA

LESNOY

NES

R. Pechora

KERET

KUZOMEN

WHITE SEA

KAMENKA

MEZEN

R. Mezen

BLAGOPOLUCHIYA

KEM

GULF OF DVINSKAYA

EKONOMIYA

SOLOMBALA

ARCHANGEL

SEVERODVINSK

BELOMORSK

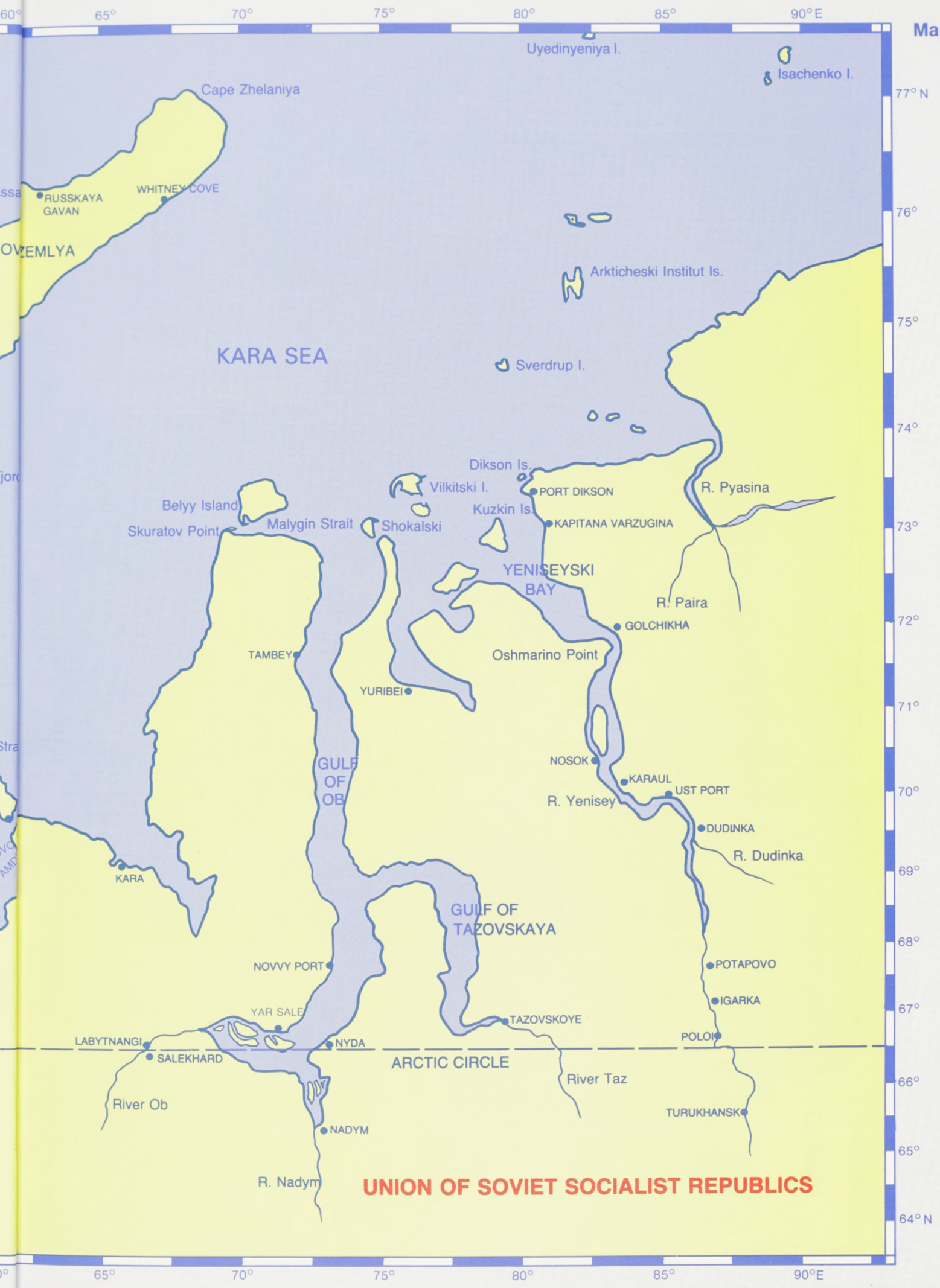
GULF OF ONEZHSKAYA

ONEGA

R. Onega

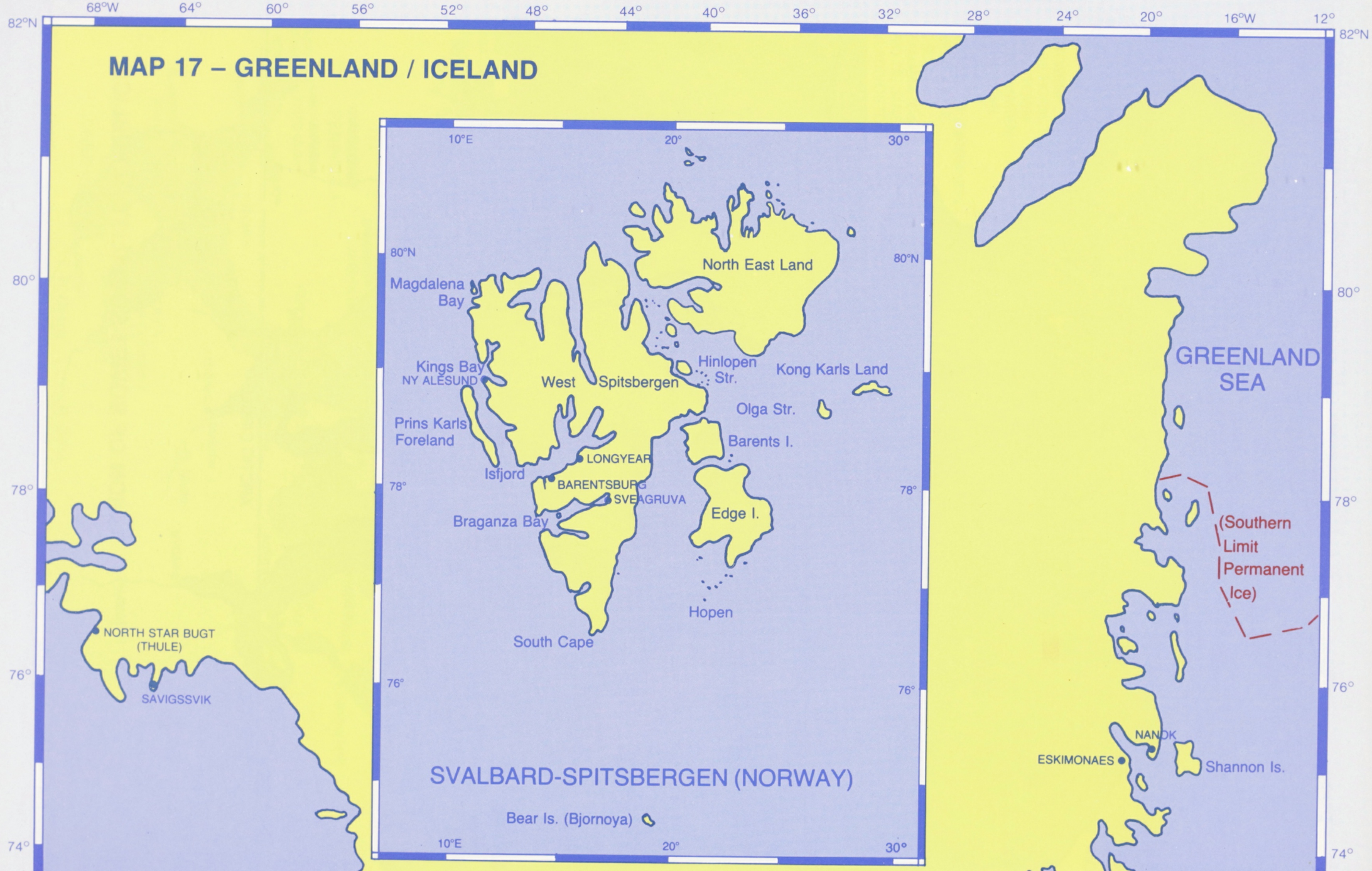
R. Dvina

30° E 35° 40° 45° 50° 55° 60°



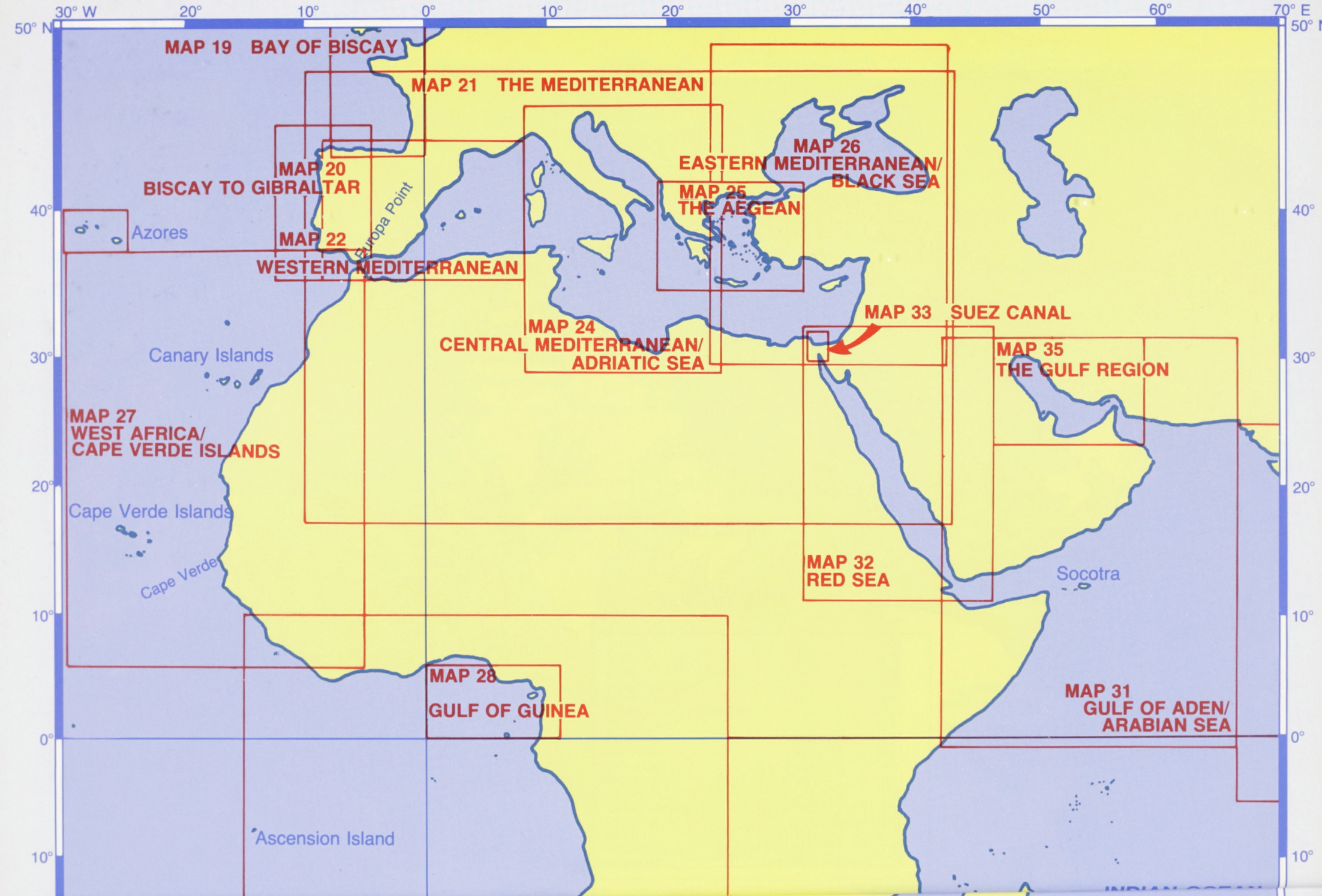
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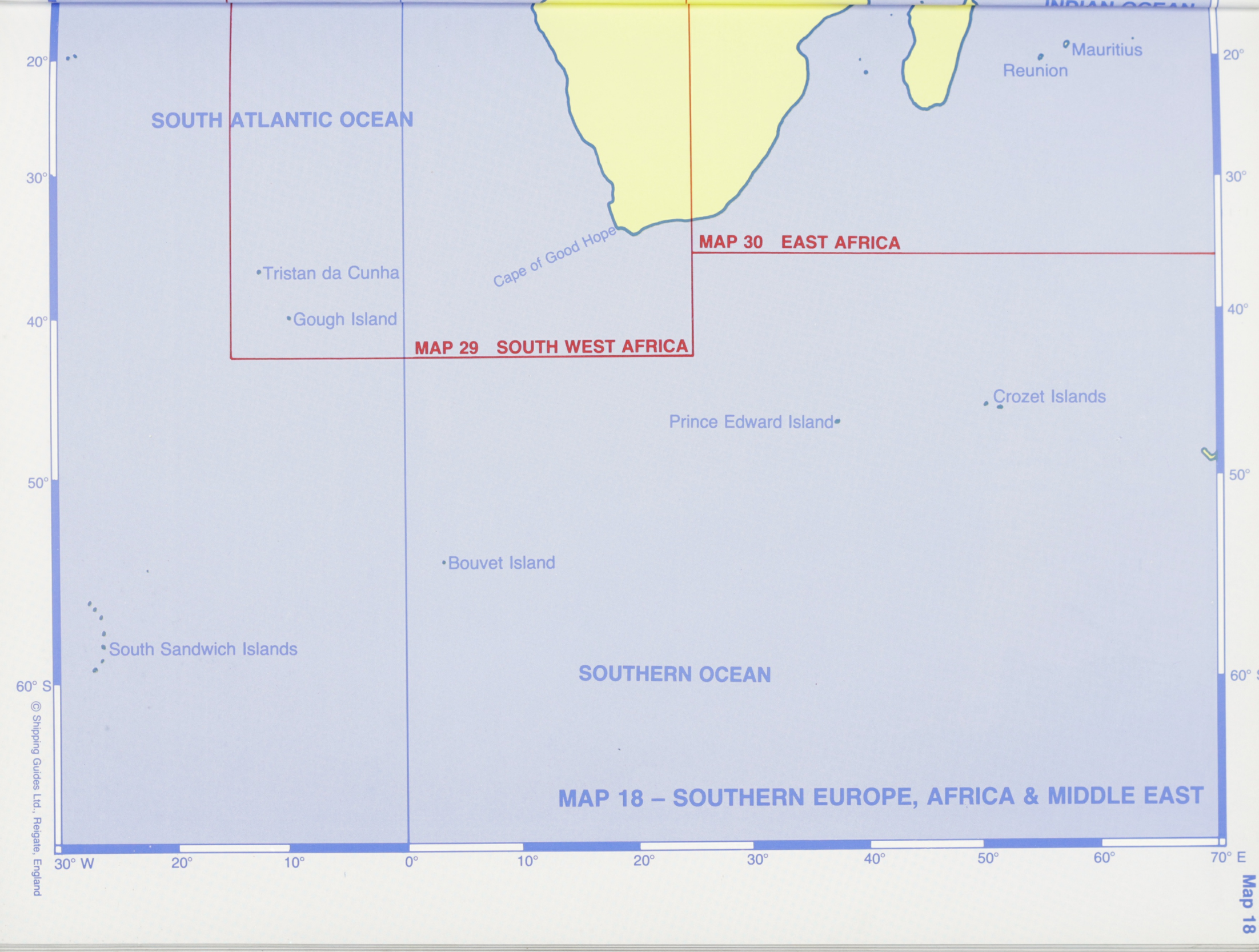
MAP 17 – GREENLAND / ICELAND



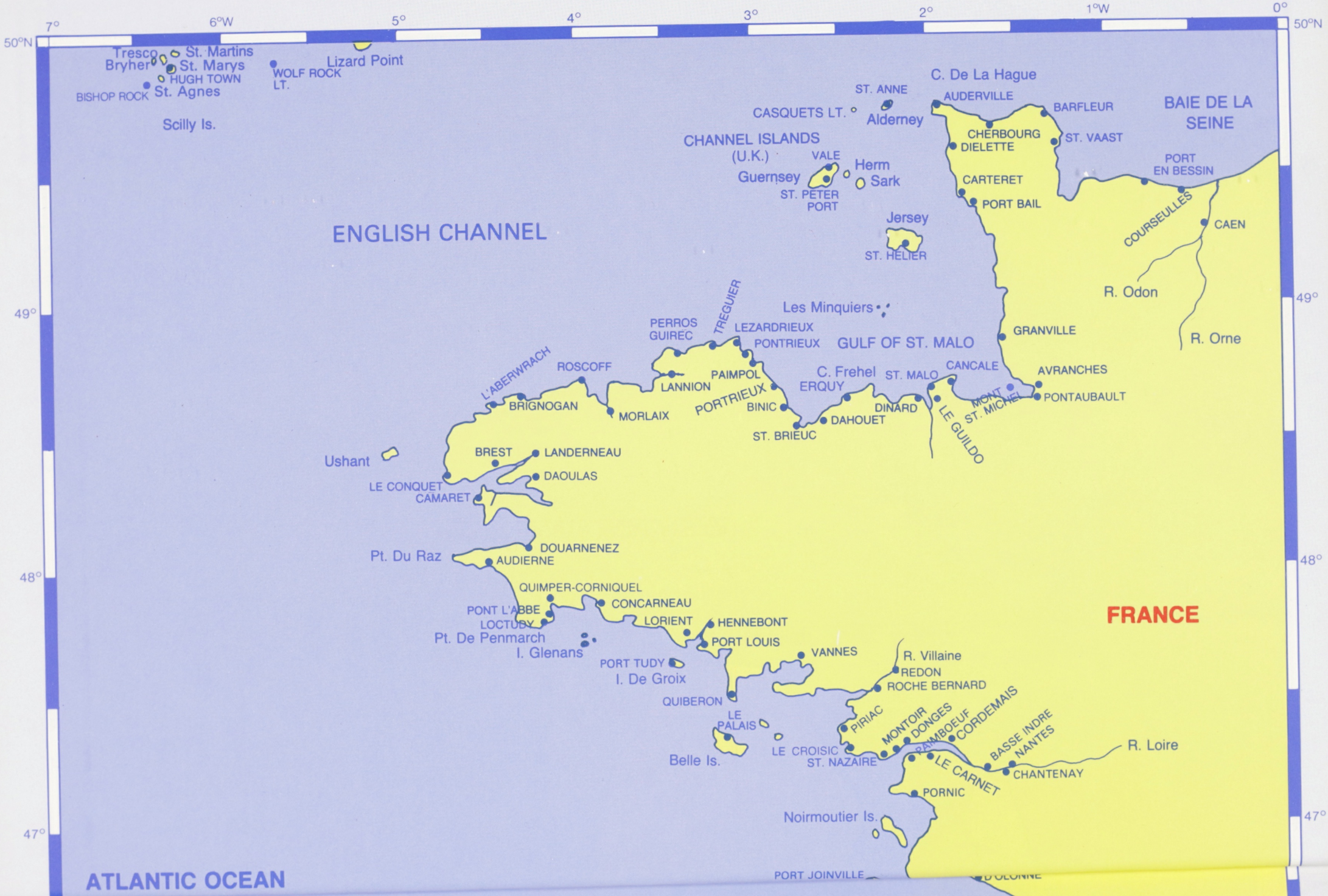
From Reykjavik to:	Miles	Days (at 16 knots)
ABERDEEN	805	2.1
ANTWERP	1,250	3.3
BEAR I.	1,135	3.0
BERGEN	875	2.3
COPENHAGEN	1,260	3.3
DECEPTION	1,705	4.4
GIBRALTAR	1,930	5.0
GODTHAB	1,165	3.0
HALIFAX	1,950	5.1
LERWICK	730	1.9
LIVERPOOL	940	2.4
LONGYEAR (Spitsbergen)	1,155	3.0
MURMANSK	1,520	4.0
NARSARSSVAK	925	2.4
SONDRE STROMFJORD	1,360	3.6
THORSHAVN	500	1.3
THULE	2,025	5.3

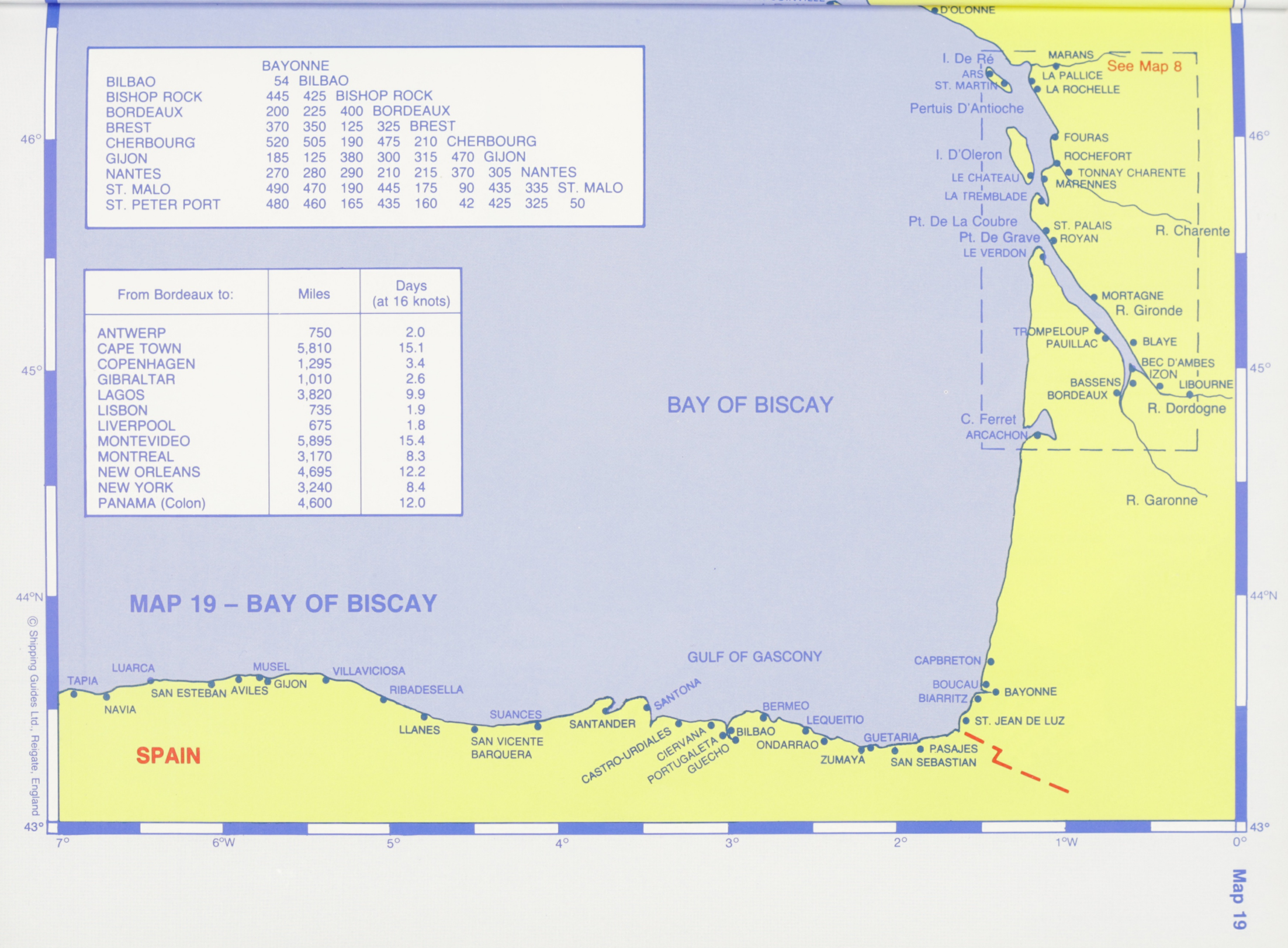
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30° W
20°
10°
0°
10°
20°
30°
40°
50°
60°
70° E
50° N
40°
30°
20°
10°
0°
10°
MAP 19 BAY OF BISCAY
MAP 21 THE MEDITERRANEAN
MAP 20
BISCAY TO GIBRALTAR
MAP 26
EASTERN MEDITERRANEAN/
BLACK SEA
MAP 25
THE AEGEAN
Azores
MAP 22
WESTERN MEDITERRANEAN
Europa Point
MAP 33 SUEZ CANAL
MAP 24
CENTRAL MEDITERRANEAN/
ADRIATIC SEA
MAP 35
THE GULF REGION
Canary Islands
MAP 27
WEST AFRICA/
CAPE VERDE ISLANDS
Cape Verde Islands
Cape Verde
MAP 32
RED SEA
Socotra
MAP 28
GULF OF GUINEA
MAP 31
GULF OF ADEN/
ARABIAN SEA
Ascension Island



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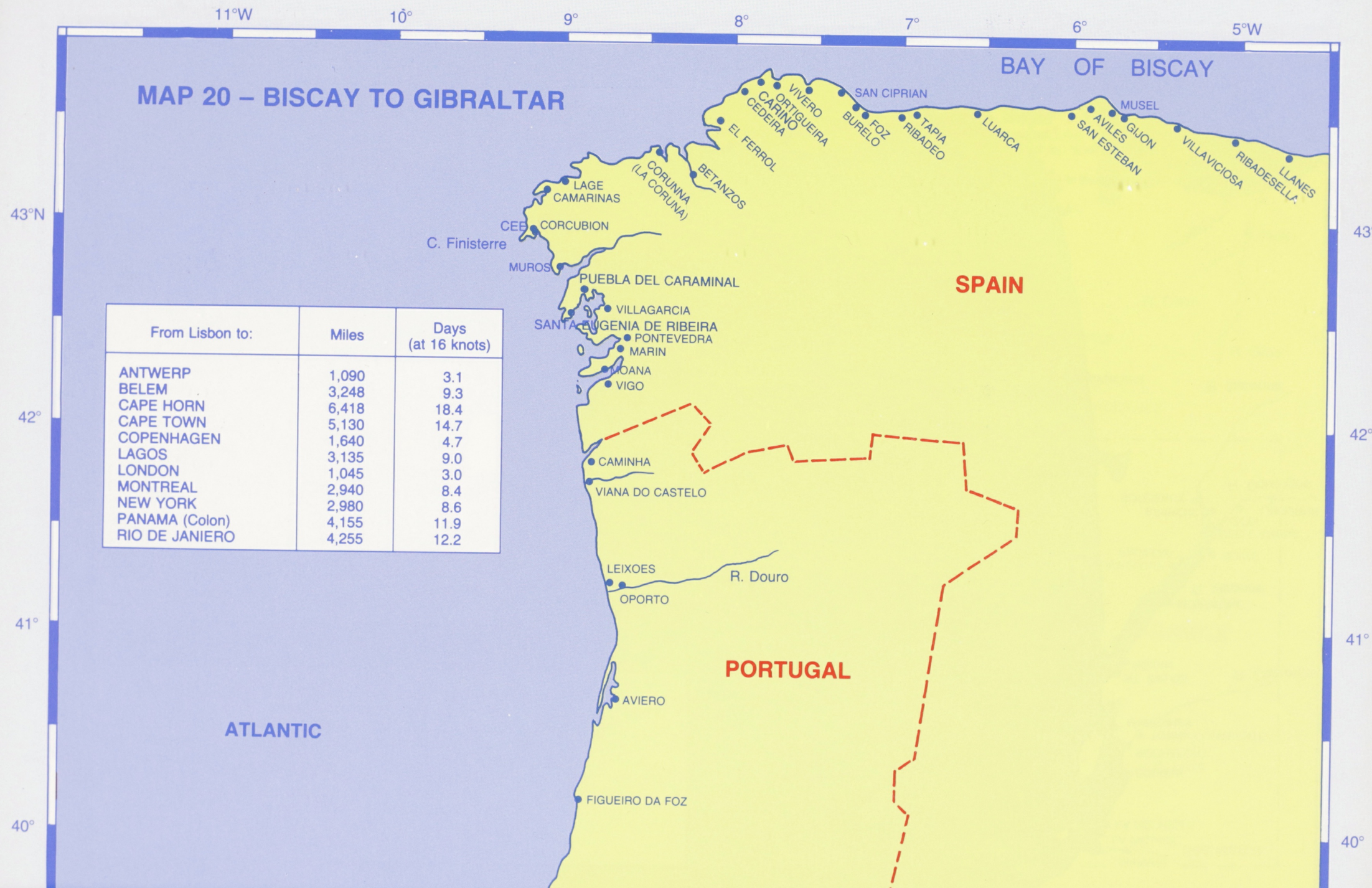

7°
6°W
5°
4°
3°
2°
1°W
0°
50°N
49°
48°
47°
Tresco
Bryher
St. Martins
St. Marys
HUGH TOWN
BISHOP ROCK
St. Agnes
Scilly Is.
WOLF ROCK LT.
Lizard Point
ENGLISH CHANNEL
C. De La Hague
ST. ANNE
AUDERVILLE
CASQUETS LT.
Alderney
BARFLEUR
BAIE DE LA SEINE
CHERBOURG
DIELETTE
ST. VAAST
CHANNEL ISLANDS
(U.K.)
VALE
Herm
Guernsey
Sark
ST. PETER PORT
CARTERET
PORT BAIL
PORT EN BESSIN
Jersey
ST. HELIER
COURSEULLES
CAEN
R. Odon
R. Orne
Les Minquiers
PERROS GUIREC
TREGUIER
LEZARDRIEUX
PONTRIEUX
GULF OF ST. MALO
GRANVILLE
L'ABERWRACH
ROSCOFF
PAIMPOL
LANNION
C. Frehel
ERQUY
ST. MALO
CANCALE
AVRANCHES
PORTRIEUX
BINIC
DINARD
MONT ST. MICHEL
PONTAUBAULT
BRIGNOGAN
MORLAIX
DAHOUET
ST. BRIEUC
LE GUILDO
Ushant
BREST
LANDERNEAU
DAOULAS
LE CONQUET
CAMARET
Pt. Du Raz
DOUARNENEZ
AUDIERNE
QUIMPER-CORNIQUEL
CONCARNEAU
PONT L'ABBE
LOCTUDY
LORIENT
HENNEBONT
Pt. De Penmarch
I. Glenans
PORT LOUIS
VANNES
R. Villaine
REDON
PORT TUDY
I. De Groix
ROCHE BERNARD
QUIBERON
FRANCE
LE PALAIS
PIRIAC
MONTOIR
DONGES
CORDEMAIS
BASSE INDRE
NANTES
Belle Is.
LE CROISIC
ST. NAZAIRE
PAIMBOEUF
R. Loire
LE CARNET
CHANTENAY
PORNIC
Noirmoutier Is.
ATLANTIC OCEAN
PORT JOINVILLE



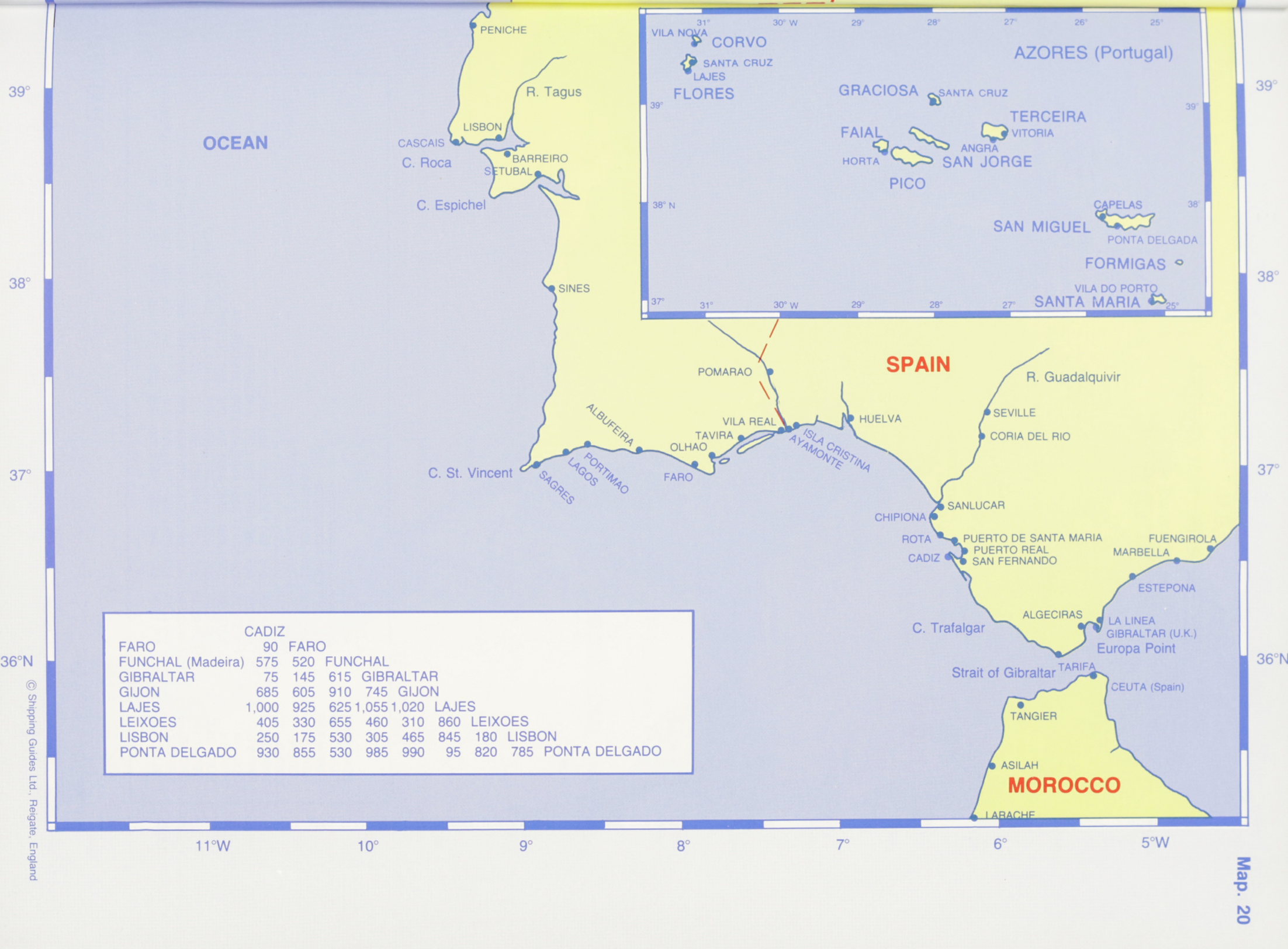
MAP 19 – BAY OF BISCAY

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MAP 20 – BISCAY TO GIBRALTAR



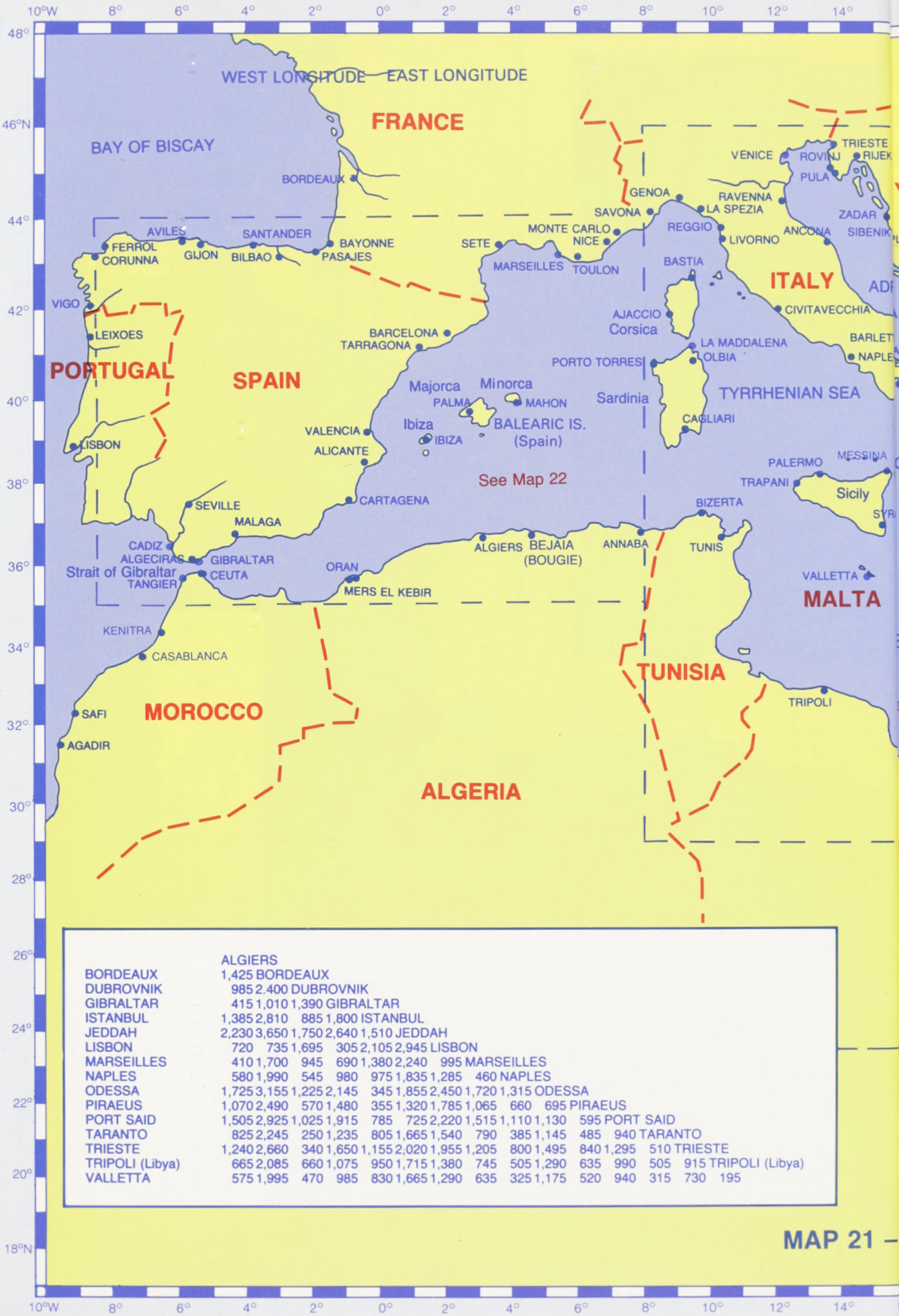
From Lisbon to:	Miles	Days (at 16 knots)
ANTWERP	1,090	3.1
BELEM	3,248	9.3
CAPE HORN	6,418	18.4
CAPE TOWN	5,130	14.7
COPENHAGEN	1,640	4.7
LAGOS	3,135	9.0
LONDON	1,045	3.0
MONTREAL	2,940	8.4
NEW YORK	2,980	8.6
PANAMA (Colon)	4,155	11.9
RIO DE JANIERO	4,255	12.2



	CADIZ							
FARO	90	FARO						
FUNCHAL (Madeira)	575	520	FUNCHAL					
GIBRALTAR	75	145	615	GIBRALTAR				
GIJON	685	605	910	745	GIJON			
LAJES	1,000	925	625	1,055	1,020	LAJES		
LEIXOES	405	330	655	460	310	860	LEIXOES	
LISBON	250	175	530	305	465	845	180	LISBON
PONTA DELGADO	930	855	530	985	990	95	820	785

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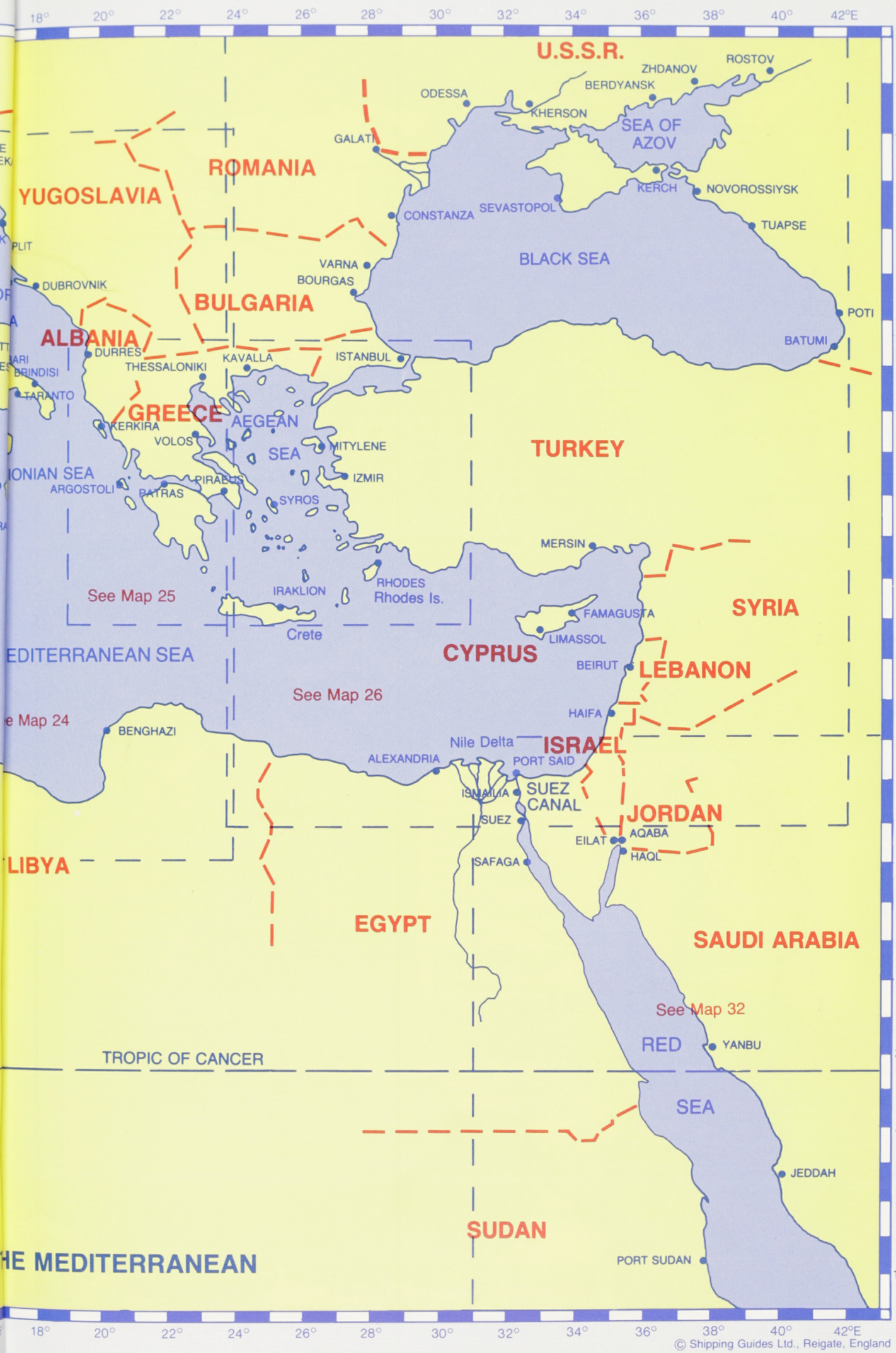
Map 21



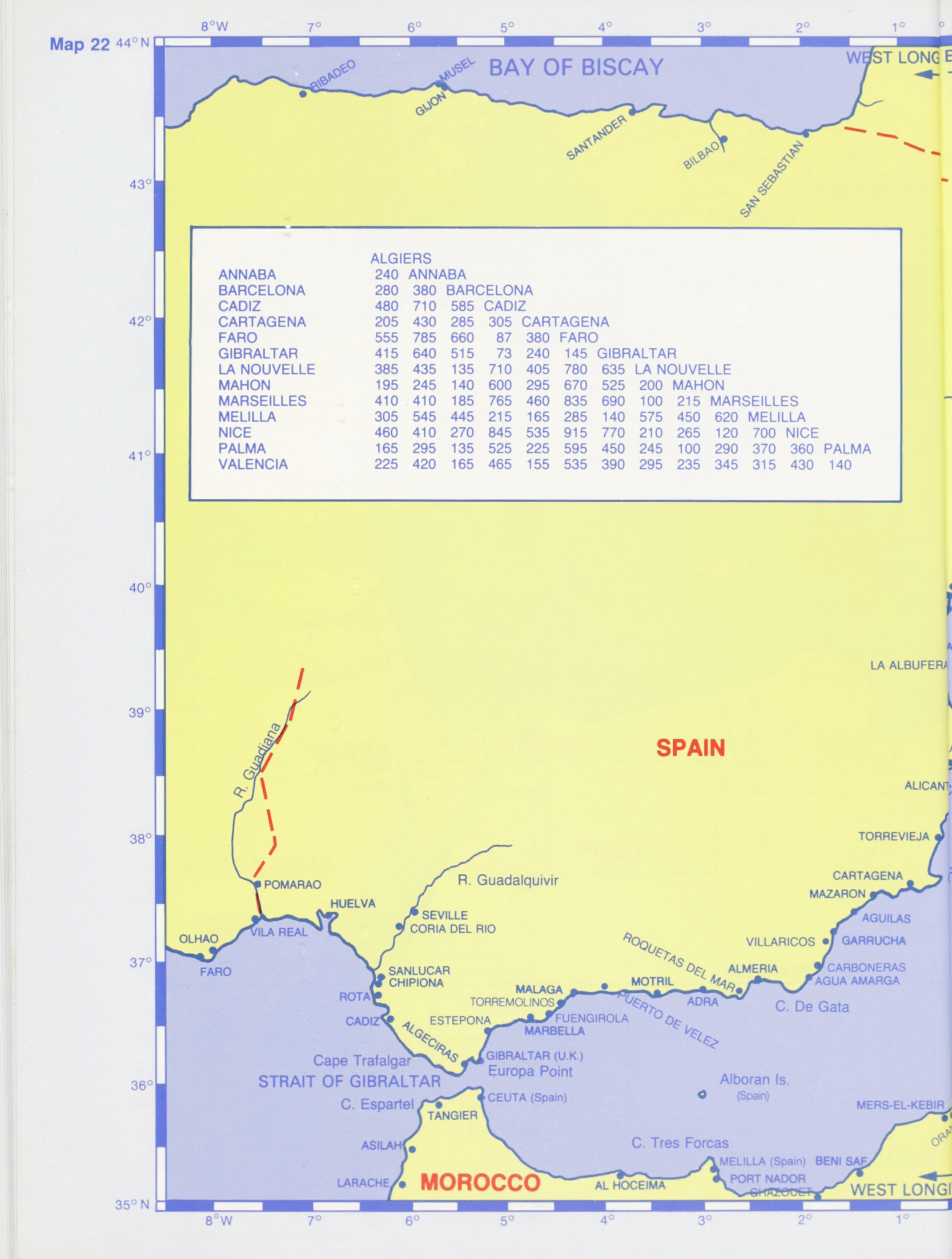
	ALGIERS													
BORDEAUX	1,425	BORDEAUX												
DUBROVNIK	985	2.400	DUBROVNIK											
GIBRALTAR	415	1,010	1,390	GIBRALTAR										
ISTANBUL	1,385	2,810	885	1,800	ISTANBUL									
JEDDAH	2,230	3,650	1,750	2,640	1,510	JEDDAH								
LISBON	720	735	1,695	305	2,105	2,945	LISBON							
MARSEILLES	410	1,700	945	690	1,380	2,240	995	MARSEILLES						
NAPLES	580	1,990	545	980	975	1,835	1,285	460	NAPLES					
ODESSA	1,725	3,155	1,225	2,145	345	1,855	2,450	1,720	1,315	ODESSA				
PIRAEUS	1,070	2,490	570	1,480	355	1,320	1,785	1,065	660	695	PIRAEUS			
PORT SAID	1,505	2,925	1,025	1,915	785	725	2,220	1,515	1,110	1,130	595	PORT SAID		
TARANTO	825	2,245	250	1,235	805	1,665	1,540	790	385	1,145	485	940	TARANTO	
TRIESTE	1,240	2,660	340	1,650	1,155	2,020	1,955	1,205	800	1,495	840	1,295	510	TRIESTE
TRIPOLI (Libya)	665	2,085	660	1,075	950	1,715	1,380	745	505	1,290	635	990	505	915
VALLETTA	575	1,995	470	985	830	1,665	1,290	635	325	1,175	520	940	315	730

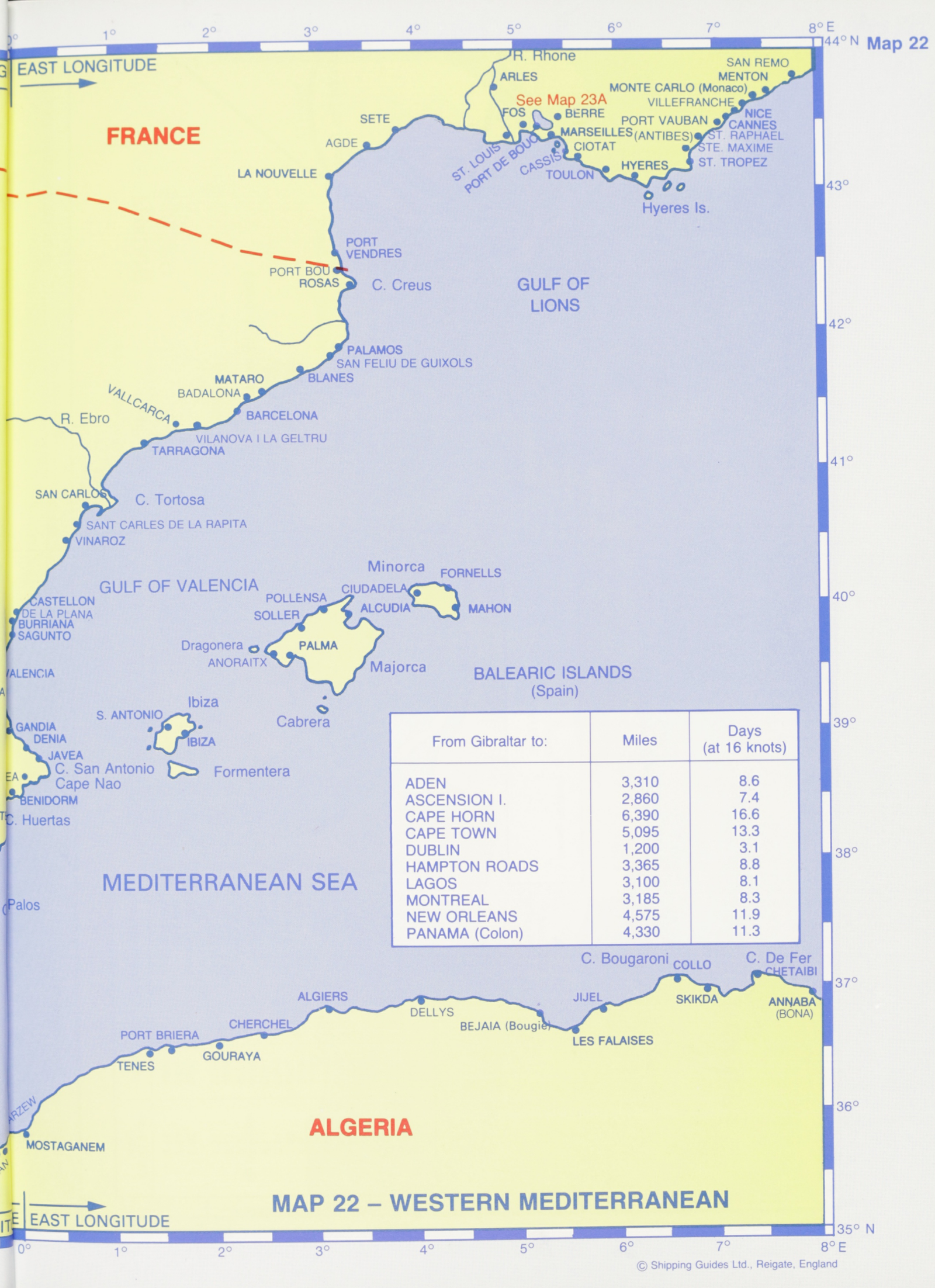
TRIPOLI (Libya)
VALLETTA 195

MAP 21 –



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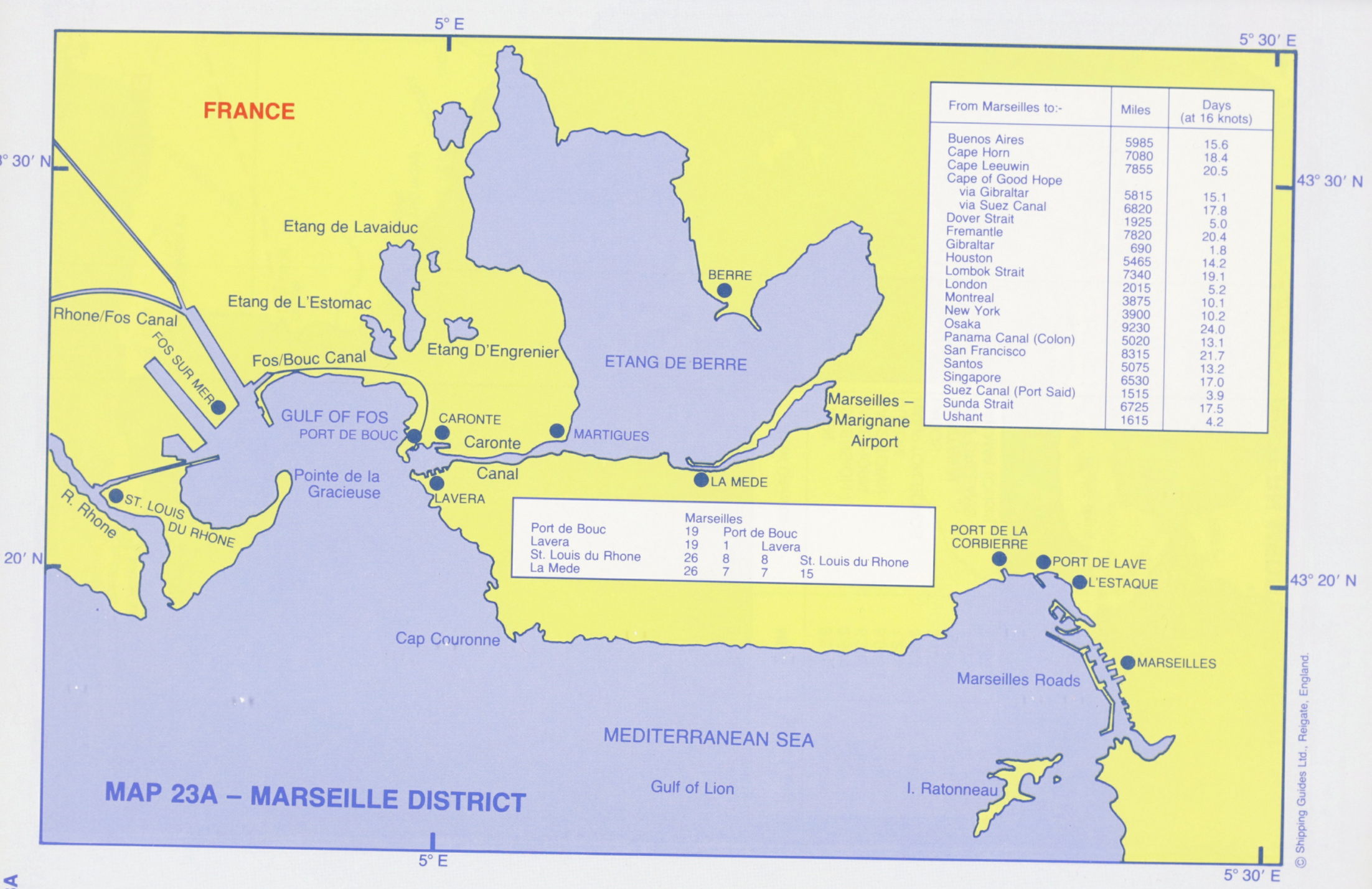

8°W
7°
6°
5°
4°
3°
2°
1°
44° N
43°
42°
41°
40°
39°
38°
37°
36°
35° N
BAY OF BISCAY
RIBADEO
MUSEL
GIJON
SANTANDER
BILBAO
SAN SEBASTIAN
WEST LONG
ALGIERS
ANNABA 240
BARCELONA 280 380
CADIZ 480 710 585
CARTAGENA 205 430 285 305
FARO 555 785 660 87 380
GIBRALTAR 415 640 515 73 240 145
LA NOUVELLE 385 435 135 710 405 780 635
MAHON 195 245 140 600 295 670 525 200
MARSEILLES 410 410 185 765 460 835 690 100 215
MELILLA 305 545 445 215 165 285 140 575 450 620
NICE 460 410 270 845 535 915 770 210 265 120 700
PALMA 165 295 135 525 225 595 450 245 100 290 370 360
VALENCIA 225 420 165 465 155 535 390 295 235 345 315 430 140
LA ALBUFERA
SPAIN
R. Guadiana
R. Guadalquivir
POMARAO
HUELVA
SEVILLE
CORIA DEL RIO
VILA REAL
OLHAO
FARO
SANLUCAR
CHIPIONA
ROTA
CADIZ
ALGECIRAS
ESTEPONA
MALAGA
TORREMOLINOS
MARBELLA
FUENGIROLA
MOTRIL
ROQUETAS DEL MAR
ALMERIA
ADRA
PUERTO DE VELEZ
C. De Gata
VILLARICOS
GARRUCHA
CARBONERAS
AGUA AMARGA
AGUILAS
MAZARON
CARTAGENA
TORREVIEJA
ALICANT
Cape Trafalgar
STRAIT OF GIBRALTAR
GIBRALTAR (U.K.)
Europa Point
CEUTA (Spain)
C. Espartel
TANGIER
ASILAH
LARACHE
MOROCCO
Alboran Is.
(Spain)
C. Tres Forcas
AL HOCEIMA
MELILLA (Spain)
PORT NADOR
GHAZOUET
BENI SAF
MERS-EL-KEBIR
WEST LONGI



From Gibraltar to:	Miles	Days (at 16 knots)
ADEN	3,310	8.6
ASCENSION I.	2,860	7.4
CAPE HORN	6,390	16.6
CAPE TOWN	5,095	13.3
DUBLIN	1,200	3.1
HAMPTON ROADS	3,365	8.8
LAGOS	3,100	8.1
MONTREAL	3,185	8.3
NEW ORLEANS	4,575	11.9
PANAMA (Colon)	4,330	11.3

MAP 22 – WESTERN MEDITERRANEAN

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From Marseilles to:-	Miles	Days (at 16 knots)
Buenos Aires	5985	15.6
Cape Horn	7080	18.4
Cape Leeuwin	7855	20.5
Cape of Good Hope		
via Gibraltar	5815	15.1
via Suez Canal	6820	17.8
Dover Strait	1925	5.0
Fremantle	7820	20.4
Gibraltar	690	1.8
Houston	5465	14.2
Lombok Strait	7340	19.1
London	2015	5.2
Montreal	3875	10.1
New York	3900	10.2
Osaka	9230	24.0
Panama Canal (Colon)	5020	13.1
San Francisco	8315	21.7
Santos	5075	13.2
Singapore	6530	17.0
Suez Canal (Port Said)	1515	3.9
Sunda Strait	6725	17.5
Ushant	1615	4.2

	Marseilles	Port de Bouc	Lavera	St. Louis du Rhone
Port de Bouc	19			
Lavera	19	1		
St. Louis du Rhone	26	8	8	
La Mede	26	7	7	15

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From Piraeus to:-	Miles	Days (at 16 knots)
Dover Strait	2715	7.1
Genoa	975	2.5
Gibraltar	1480	3.9
Malta	520	1.4
Montreal	4665	12.1
New York	4690	12.2
Panama Canal (Colon)	5810	15.1
Port Said	595	1.5
Singapore	5610	14.6
Ushant	2405	6.3
Yokohama	8505	22.1

MAP 23B – PIRAEUS DISTRICT

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8° 9°E 10° 11° 12° 13° 14° 15° 16° 17° 18° 19° 20° 21° 22° 23°E 24°
46° 45°N 44° 43° 42° 41° 40° 39° 38°
YUGOSLAVIA
ITALY
ALBANIA
GREECE
ADRIATIC SEA
LIGURIAN SEA
TYRRHENIAN SEA
IONIAN SEA
Gulf of Venice
Gulf of Genoa
GULF OF MANFREDONIA
GULF OF TARANTO
GULF OF SQUILLACE
Str. of Bonifacio
Str. of Otranto
CORSICA (FRANCE)
SARDINIA (ITALY)
Gulf of Orosei
AEOLIAN IS.
EGADI IS.
Ponziane Is.
Ustica
Elba
Pianosa
Giglio
Montecristo
Capraia
Gorgona
Capri
Ischia
Procida
Lastovo
Mljet
Solta
Brac
Hvar
Vis
Vela Luka
Korkula
Pag
Rab
Krk
Losinj
Pelagosa
Premuda
Kornati
Dugi Otok
Ugljan
Pasman
Molat
Silba
Olib
Premuda
Iz
Susak
Cres
Losinj
Krk
Rab
Pag
Ugljan
Pasman
Dugi Otok
Kornati
Molat
Silba
Olib
Premuda
Susak
Iz
Kornati
Dugi Otok
Ugljan
Pasman

From Piraeus at 16 Knots to:	Distance in miles	Duration in days
ALEXANDRIA	510	1.3
ARGOSTOLI	285	0.7
BARCELONA	1,155	3
BEIRUT	645	1.7
CAGLIARI	810	2.1
DUBROVNIK	570	1.5
ES SIDER	520	1.4
GENOA	970	2.5
GIBRALTAR	1,480	3.9
LATTAKIA	625	1.6
LONDON (Gravesend)	2,785	7.3
MARSEILLES	1,065	2.8
NEW YORK	4,690	12.2
PANAMA (Cristobal)	5,810	15.1
PORT SAID	595	1.5
QUOIN ISLAND	3,385	8.8
SYRACUSE	480	1.3
TUNIS	730	1.9

	ALGIERS												
BENGHAZI	925	BENGHAZI											
BRINDISI	875	535	BRINDISI										
CAGLIARI	325	680	580	CAGLIARI									
GENOA	530	910	745	350	GENOA								
GRUZ	985	655	125	690	855	GRUZ							
MESSINA	615	425	260	325	485	370	MESSINA						
NAPLES	580	600	435	265	335	545	175	NAPLES					
PALERMO	505	545	375	215	430	485	110	165	PALERMO				
PATRAS	915	395	240	630	795	330	305	480	425	PATRAS			
PIRAEUS	1,070	400	475	810	975	570	485	660	605	295	PIRAEUS		
TRIESTE	1,240	900	375	950	1,110	340	625	800	745	605	840	TRIESTE	
TRIPOLI (Libya)	665	355	550	430	720	660	340	505	370	530	635	915	TRIPOLI
TUNIS	385	580	555	165	470	665	295	310	185	575	730	920	320 TUNIS
VLORE (Valona)	875	510	70	580	745	160	260	435	375	200	440	435	550 555

MAP 24 – CENTRAL MEDITERRANEAN / ADRIATIC SEA

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19°
20° E
21°
22°
23°
24°
41°
40°
39°
38°
37°
36°
35°
DURRES
VLORE
ALBANIA
SARANDE
GREECE
KERKYRA
IGOUMENITSA
CORFU
PARGA
Paxos
ARTA
PREVESA
AMFILOKHIA
LEVKAS
VONITSA
PALAIROS
Levkas
Meganisi
Kalamos
ASTAKOS
IONIAN ISLANDS
ASSOS
VATHI
LIXURI
Cephalonia
Ithaca
SAMI
ARGOSTOLI
Zante
ZAKINTHOS
KERI
IONIAN SEA
KILLINI
KATO AKHAIA
PATRAS
AIYION
KATAKOLON
MESOLONGION
KRIONERION
NAVPAKTOS
DREPANO
GALAXIDHION
ITEA
LEVADHIA
AGIA MARINA
ACHLADI
STILIS
AIDIPSOS
AGHIOS KONSTANDINOS
LARIMNA
CHALKIS
Evripos Strait
KYMASSI
PILION
LIMNI
KIMI
LEFKANDION
Euboea
Steno Straits
See Map 23B
Gulf of Corinth
AGIOI THEODOROI
CORINTH
ISTHMIA
PACHI
MEGARA
ELEUSIS
ASPROPYRGOS
SKARAMANGA
PERAMA
SALAMIS
PIRAEUS
Aegina
AYIONA
Canal
AVRION
PORTO RAFTI
GAVRION
Makronisi
NAVPLION
POROS
KORISIA
Keos
Ag. Yeoriyos
PARALION ASTROUS
ERMIONI
Kithnos
SPETSAI
IDHRA
KIPARISSIA
FILIATRA
Proti Is.
MESSINI
KALAMATA
LEONIDHION
Gulf of Argolis
MIRTOAN SEA
Serifos
KOUTALAS
KAMARES
Sifnos
PYLOS
METHONI
KORONI
YITHION
PIRGOS
PLITRA
MONEMVASIA
Parapola
ADAMAS
Andimilos
Milos
Gulf of Messini
Gulf of Lakoni
NEAPOLIS
C. Malea
AYIA PELAYIA
Kithira
C. Matapan
KAPSALI
POTAMOS
Andikithira
C. Spatha
CANEA
KASTELLI
Suda Bay
SUDA BAY
RETHIMNON
MATALA
Gavdhos
SEA
THESSALONIKI (SALONICA)
AMFIPOLIS
STAVROS
KAVALLA
NEA PERAMOS
LIMENARIA
METHONIS
STRATONI
NEA RODHA
YERAKINI
NIKITAS
NEA MOUDHANIA
Gulf of Thermikos
STOMION
PALOURION
VOLOS
AGRIA
NORTHERN SPORADES
Peathoura
Yioura
Piper
Pelagos
Iliodhromia
Skantzour
SKOPELOS
MELINA
SKIATHOS
Skopelos
MAP 25 – AEGEAN SEA

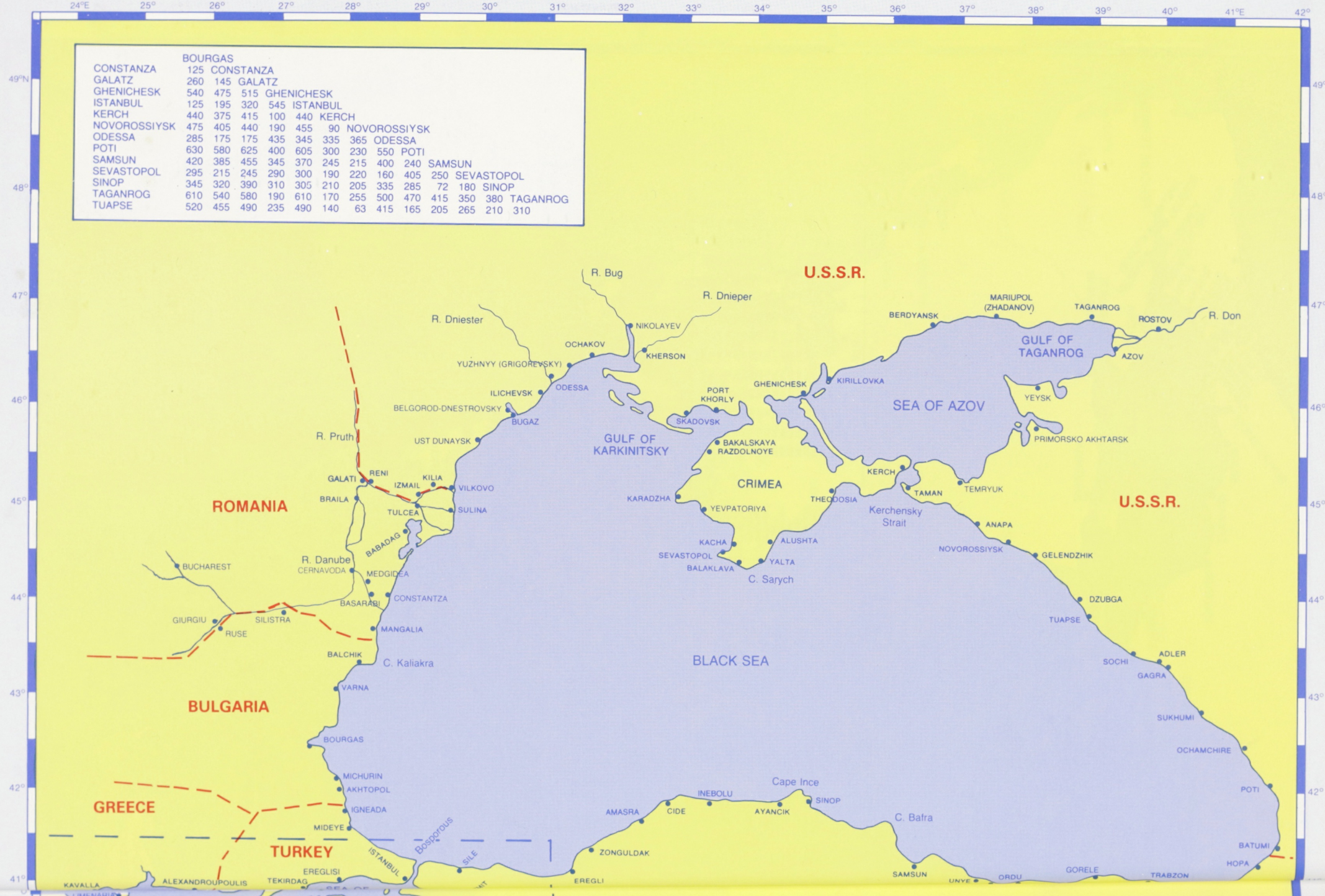


	ADAMAS										
ANDROS	76	ANDROS									
CANNAKALE	235	165	CANNAKALE								
CORINTH	330	380	540	CORINTH							
EDINCIK	315	245	78	620	EDINCIK						
IRAKLION	120	155	315	375	395	IRAKLION					
IZIMIR	200	145	140	520	220	255	IZMIR				
IZMIT	405	335	170	710	120	490	310	IZMIT			
KERKYRA	340	390	550	200	630	385	530	720	KERKYRA		
KOS	154	150	225	470	305	140	175	400	480	KOS	
MITYLENE	170	107	67	475	145	230	85	240	485	160	MITYLENE
NAUPLION	100	120	270	335	350	175	250	445	350	235	210
PIRAEUS	85	70	220	360	300	185	205	390	370	195	160
RHODES	200	205	290	515	370	170	235	460	525	62	225
SUDA BAY	95	155	315	340	395	52	275	490	350	185	250
SYROS	58	30	185	375	265	130	145	355	385	120	120
THASSOUS	255	185	97	555	175	330	200	270	565	275	120
THESSALONIKI	270	195	200	570	280	350	255	370	580	330	180
VOLOS	215	140	190	510	270	290	225	365	520	270	155

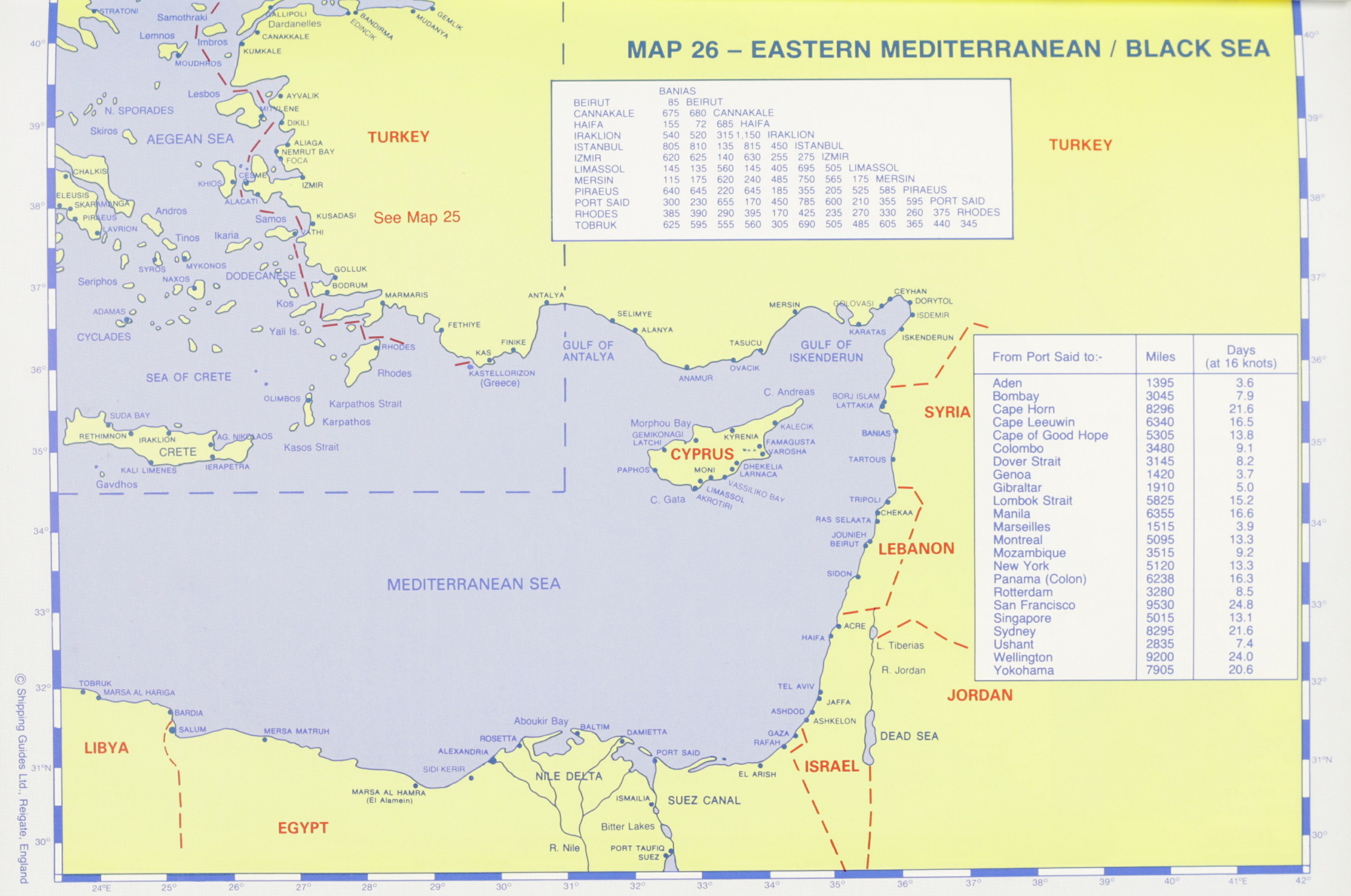
285	260	RHODES									
215	SUDA BAY										
130	SYROS										
335	330	210	THASSOS								
240	295	120	275	THESSALONIKI							
255	310	180	330	580							
385	350	225	152	370	255						
180	130	165	165	140							

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	BOURGAS											
CONSTANZA	125	CONSTANZA										
GALATZ	260	145	GALATZ									
GHENICHESK	540	475	515	GHENICHESK								
ISTANBUL	125	195	320	545	ISTANBUL							
KERCH	440	375	415	100	440	KERCH						
NOVOROSSIYSK	475	405	440	190	455	90	NOVOROSSIYSK					
ODESSA	285	175	175	435	345	335	365	ODESSA				
POTI	630	580	625	400	605	300	230	550	POTI			
SAMSUN	420	385	455	345	370	245	215	400	240	SAMSUN		
SEVASTOPOL	295	215	245	290	300	190	220	160	405	250	SEVASTOPOL	
SINOP	345	320	390	310	305	210	205	335	285	72	180	SINOP
TAGANROG	610	540	580	190	610	170	255	500	470	415	350	380 TAGANROG
TUAPSE	520	455	490	235	490	140	63	415	165	205	265	210 310



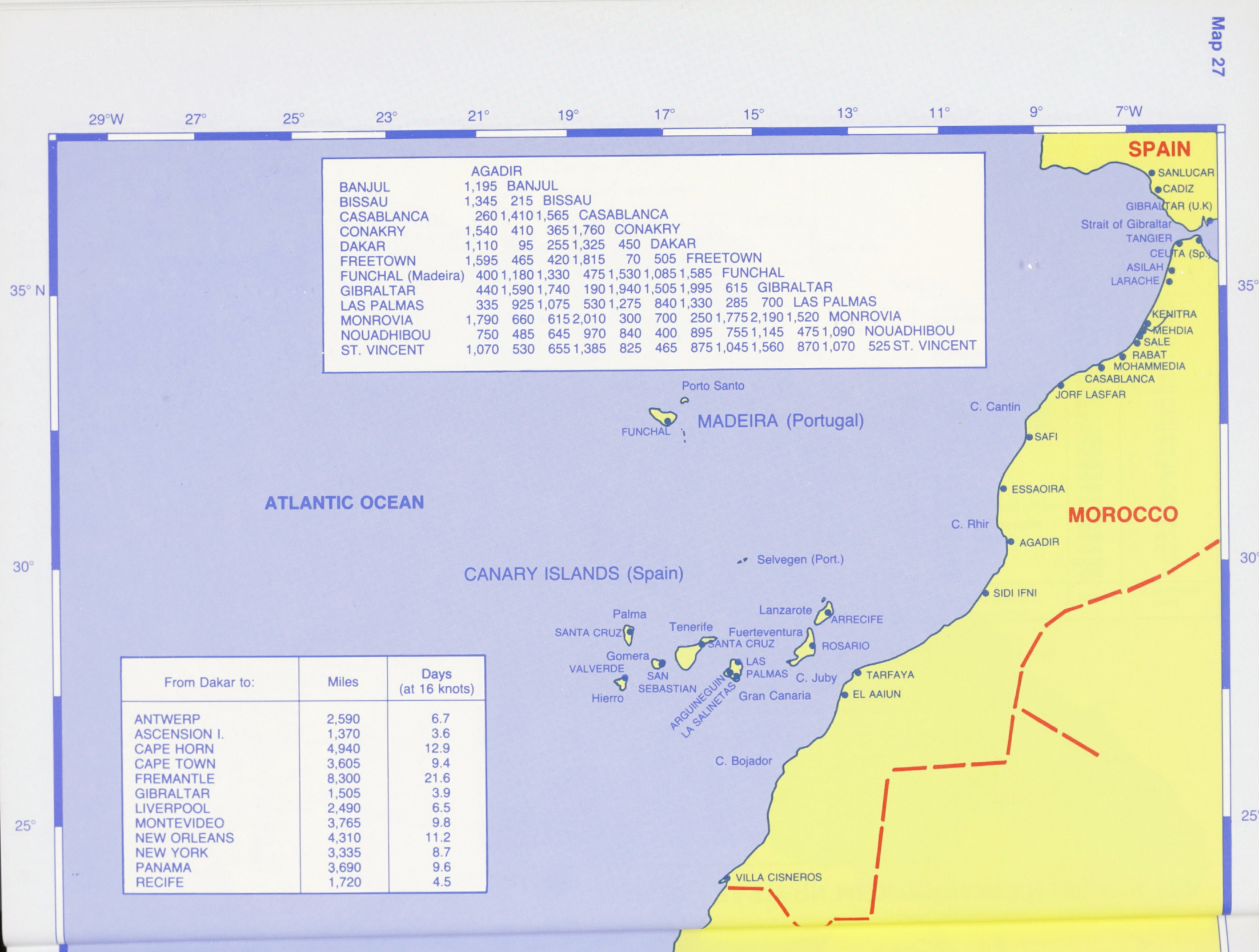
MAP 26 – EASTERN MEDITERRANEAN / BLACK SEA



	BANIAS											
BEIRUT	85	BEIRUT										
CANNAKALE	675	680	CANNAKALE									
HAIFA	155	72	685	HAIFA								
IRAKLION	540	520	315	1,150	IRAKLION							
ISTANBUL	805	810	135	815	450	ISTANBUL						
IZMIR	620	625	140	630	255	275	IZMIR					
LIMASSOL	145	135	560	145	405	695	505	LIMASSOL				
MERSIN	115	175	620	240	485	750	565	175	MERSIN			
PIRAEUS	640	645	220	645	185	355	205	525	585	PIRAEUS		
PORT SAID	300	230	655	170	450	785	600	210	355	595	PORT SAID	
RHODES	385	390	290	395	170	425	235	270	330	260	375	RHODES
TOBRUK	625	595	555	560	305	690	505	485	605	365	440	345

From Port Said to:-	Miles	Days (at 16 knots)
Aden	1395	3.6
Bombay	3045	7.9
Cape Horn	8296	21.6
Cape Leeuwin	6340	16.5
Cape of Good Hope	5305	13.8
Colombo	3480	9.1
Dover Strait	3145	8.2
Genoa	1420	3.7
Gibraltar	1910	5.0
Lombok Strait	5825	15.2
Manila	6355	16.6
Marseilles	1515	3.9
Montreal	5095	13.3
Mozambique	3515	9.2
New York	5120	13.3
Panama (Colon)	6238	16.3
Rotterdam	3280	8.5
San Francisco	9530	24.8
Singapore	5015	13.1
Sydney	8295	21.6
Ushant	2835	7.4
Wellington	9200	24.0
Yokohama	7905	20.6

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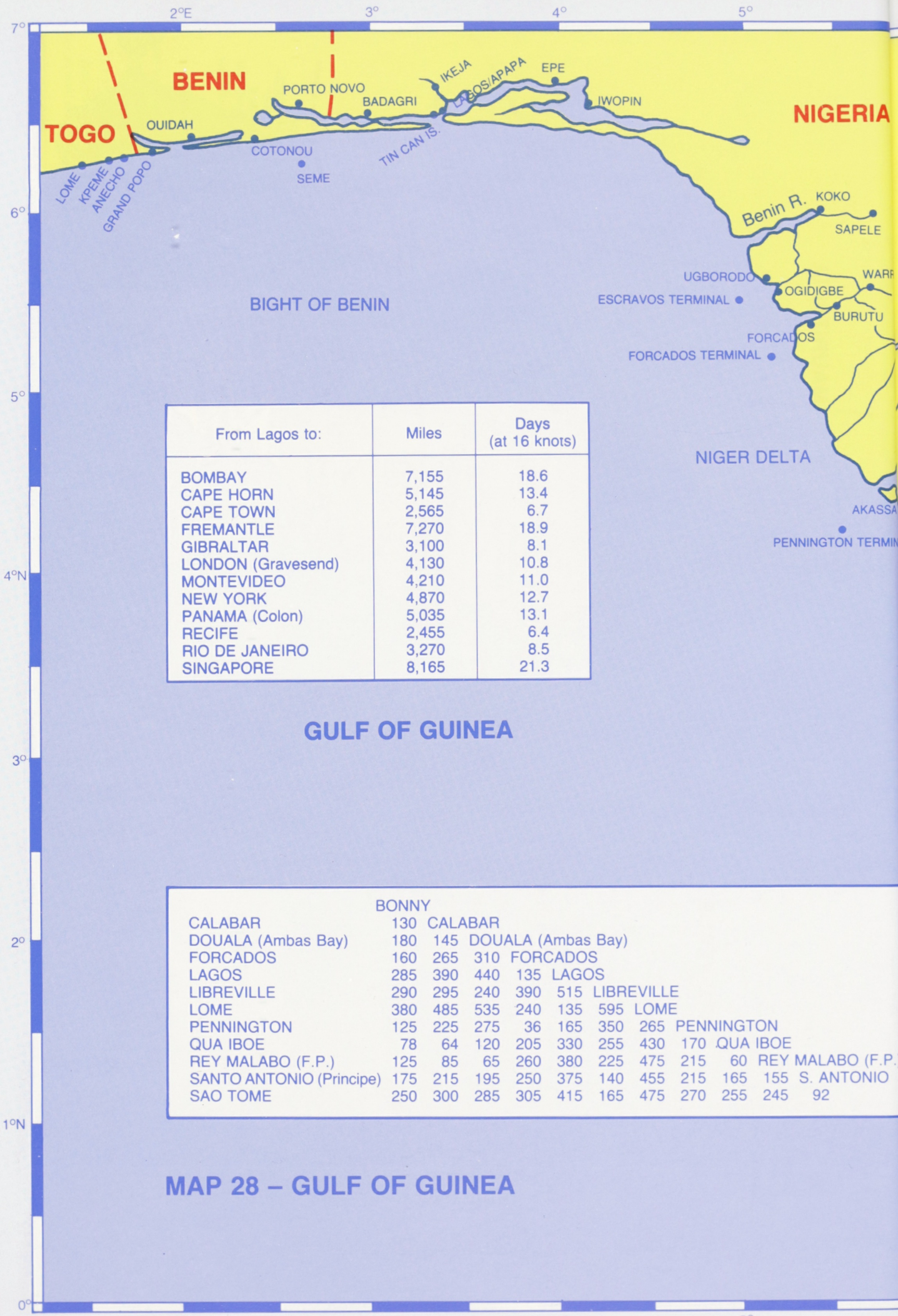


	AGADIR											
BANJUL	1,195	BANJUL										
BISSAU	1,345	215	BISSAU									
CASABLANCA	260	1,410	1,565	CASABLANCA								
CONAKRY	1,540	410	365	1,760	CONAKRY							
DAKAR	1,110	95	255	1,325	450	DAKAR						
FREETOWN	1,595	465	420	1,815	70	505	FREETOWN					
FUNCHAL (Madeira)	400	1,180	1,330	475	1,530	1,085	1,585	FUNCHAL				
GIBRALTAR	440	1,590	1,740	190	1,940	1,505	1,995	615	GIBRALTAR			
LAS PALMAS	335	925	1,075	530	1,275	840	1,330	285	700	LAS PALMAS		
MONROVIA	1,790	660	615	2,010	300	700	250	1,775	2,190	1,520	MONROVIA	
NOUADHIBOU	750	485	645	970	840	400	895	755	1,145	475	1,090	NOUADHIBOU
ST. VINCENT	1,070	530	655	1,385	825	465	875	1,045	1,560	870	1,070	525 ST. VINCENT

From Dakar to:	Miles	Days (at 16 knots)
ANTWERP	2,590	6.7
ASCENSION I.	1,370	3.6
CAPE HORN	4,940	12.9
CAPE TOWN	3,605	9.4
FREMANTLE	8,300	21.6
GIBRALTAR	1,505	3.9
LIVERPOOL	2,490	6.5
MONTEVIDEO	3,765	9.8
NEW ORLEANS	4,310	11.2
NEW YORK	3,335	8.7
PANAMA	3,690	9.6
RECIFE	1,720	4.5

MAP 27 – WEST AFRICA / CAPE VERDE ISLANDS

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From Lagos to:	Miles	Days (at 16 knots)
BOMBAY	7,155	18.6
CAPE HORN	5,145	13.4
CAPE TOWN	2,565	6.7
FREMANTLE	7,270	18.9
GIBRALTAR	3,100	8.1
LONDON (Gravesend)	4,130	10.8
MONTEVIDEO	4,210	11.0
NEW YORK	4,870	12.7
PANAMA (Colon)	5,035	13.1
RECIFE	2,455	6.4
RIO DE JANEIRO	3,270	8.5
SINGAPORE	8,165	21.3

GULF OF GUINEA

	BONNY									
CALABAR	130	CALABAR								
DOUALA (Ambas Bay)	180	145	DOUALA (Ambas Bay)							
FORCADOS	160	265	310	FORCADOS						
LAGOS	285	390	440	135	LAGOS					
LIBREVILLE	290	295	240	390	515	LIBREVILLE				
LOME	380	485	535	240	135	595	LOME			
PENNINGTON	125	225	275	36	165	350	265	PENNINGTON		
QUA IBOE	78	64	120	205	330	255	430	170	QUA IBOE	
REY MALABO (F.P.)	125	85	65	260	380	225	475	215	60	REY MALABO (F.P.)
SANTO ANTONIO (Principe)	175	215	195	250	375	140	455	215	165	155 S. ANTONIO
SAO TOME	250	300	285	305	415	165	475	270	255	245 92

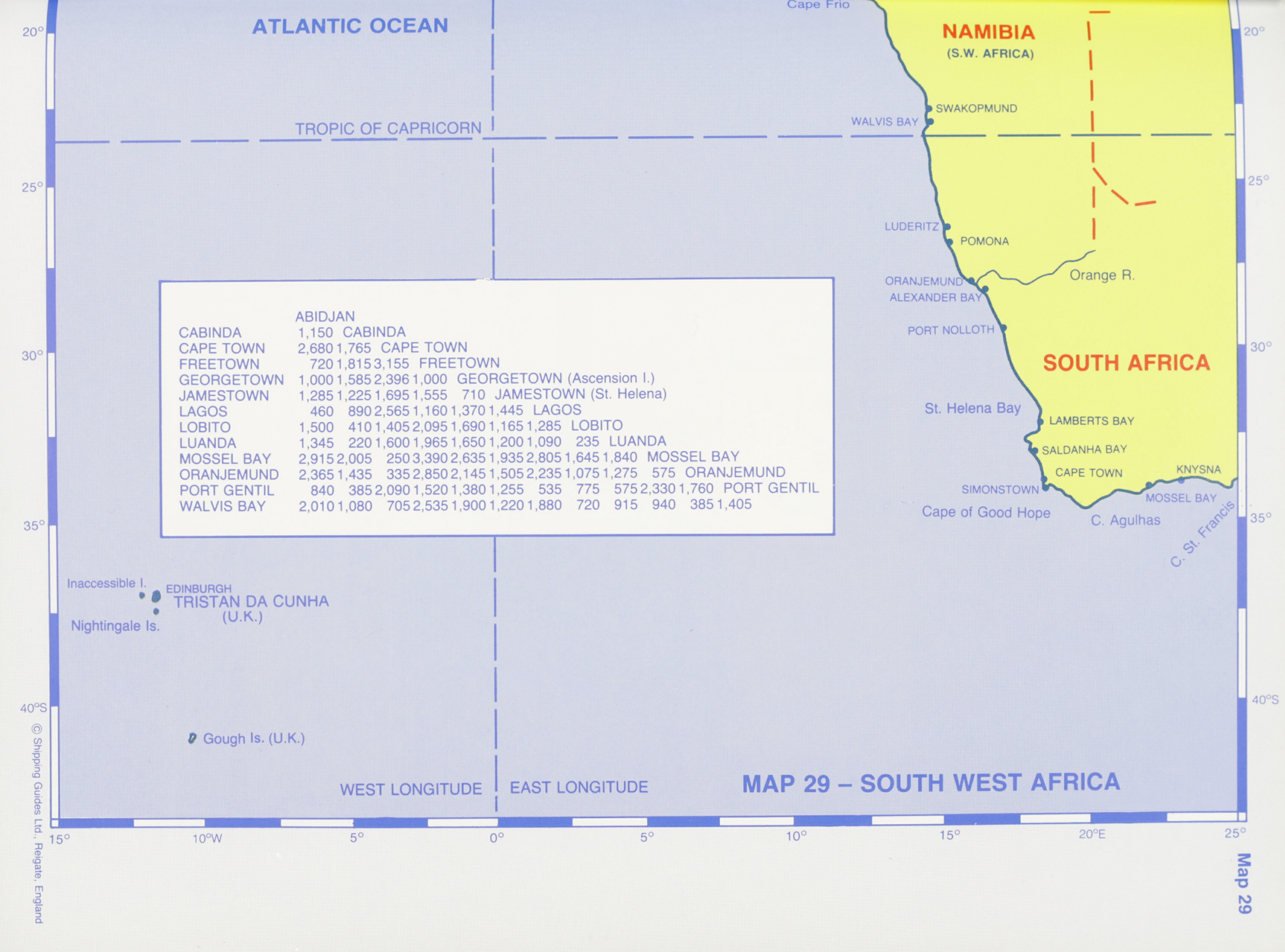
MAP 28 – GULF OF GUINEA



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From Capetown to:	Miles	Days (at 16 knots)
ADEN	3,960	10.3
ASCENSION I.	2,395	6.3
CAPE HORN	4,215	11.0
COLOMBO	4,365	11.4
DARWIN	6,140	16.0
DUBLIN	6,000	15.6
DUNEDIN	7,225	18.8
FREMANTLE	4,715	12.3
JAKARTA	5,185	13.6
KARACHI	4,670	12.2
MELBOURNE	6,105	15.9
MONTREAL	7,115	18.5
NEW YORK	6,790	17.7
PANAMA (Colon)	6,425	16.7
RECIFE	3,320	8.6
ST. HELENA	1,695	4.6
SINGAPORE	5,610	14.6
SOUTH SANDWICH I.	2,640	6.9
SOUTH GEORGIA	2,660	6.9
TRISTAN DE CUNHA	1,515	3.9
YOKOHAMA	8,350	21.7

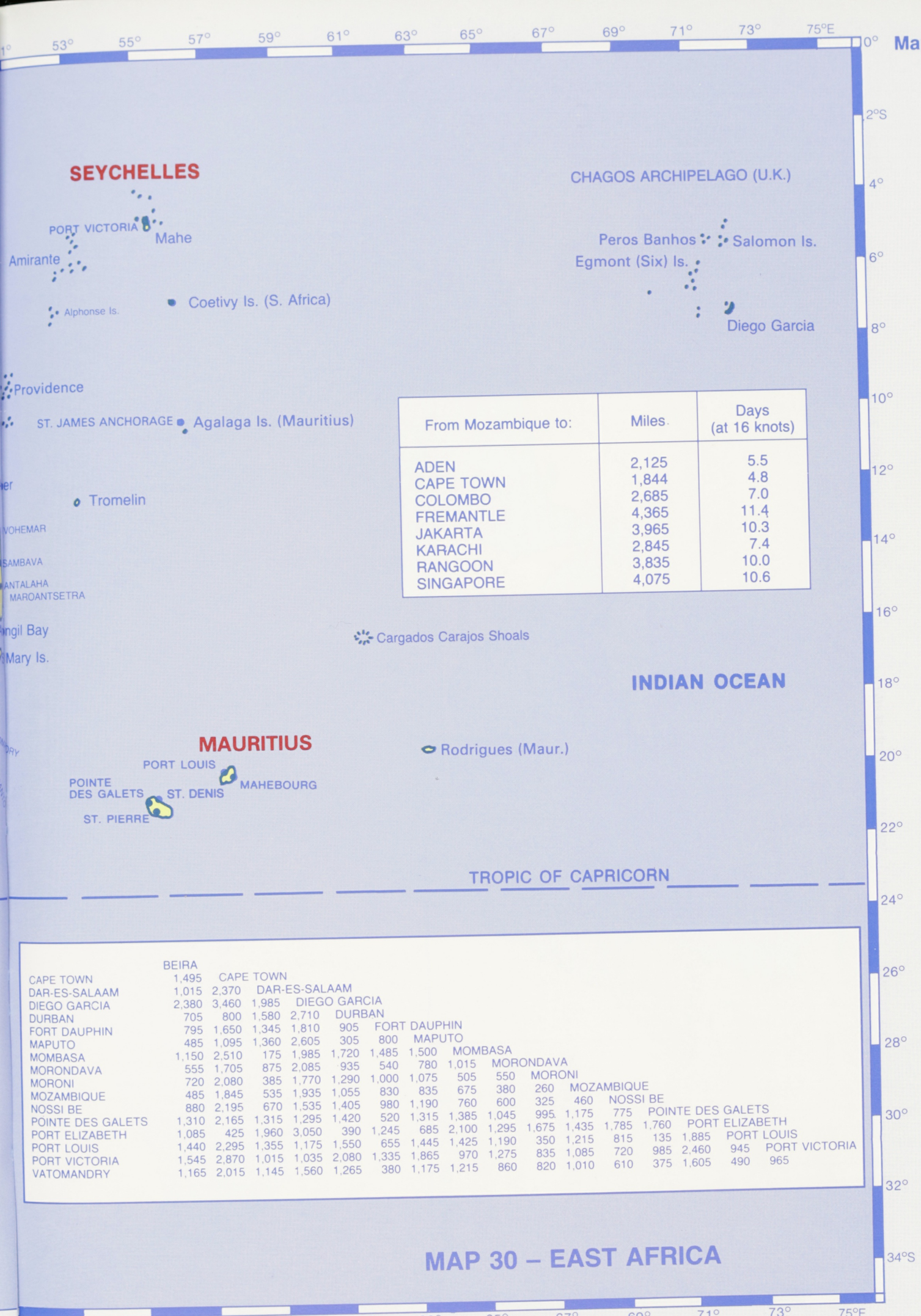


	ABIDJAN											
CABINDA	1,150	CABINDA										
CAPE TOWN	2,680	1,765	CAPE TOWN									
FREETOWN	720	1,815	3,155	FREETOWN								
GEORGETOWN	1,000	1,585	2,396	1,000	GEORGETOWN (Ascension I.)							
JAMESTOWN	1,285	1,225	1,695	1,555	710	JAMESTOWN (St. Helena)						
LAGOS	460	890	2,565	1,160	1,370	1,445	LAGOS					
LOBITO	1,500	410	1,405	2,095	1,690	1,165	1,285	LOBITO				
LUANDA	1,345	220	1,600	1,965	1,650	1,200	1,090	235	LUANDA			
MOSSEL BAY	2,915	2,005	250	3,390	2,635	1,935	2,805	1,645	1,840	MOSSEL BAY		
ORANJEMUND	2,365	1,435	335	2,850	2,145	1,505	2,235	1,075	1,275	575	ORANJEMUND	
PORT GENTIL	840	385	2,090	1,520	1,380	1,255	535	775	575	2,330	1,760	PORT GENTIL
WALVIS BAY	2,010	1,080	705	2,535	1,900	1,220	1,880	720	915	940	385	1,405

MAP 29 – SOUTH WEST AFRICA

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Map 30
25°
27°E
29°
31°
33°
35°
37°
39°
41°
43°
45°
47°
49°
0°
2°S
4°
6°
8°
10°
12°
14°
16°
18°
20°
22°
24°
26°
28°
30°
32°
34°S
L. Victoria
L. Kivu
L. Tanganykia
L. Nyasa
R. Rovuma
R. Zambeze
Rufiji R.
KENYA
TANZANIA
MALAWI
MOZAMBIQUE
SOUTH AFRICA
SOMALIA
CHISIMAIO
LAMU
MALINDI
KILIFI
MOMBASA
SHIMONI
TANGA
MKOANI
PANGANI
WETE
Pemba Is.
CHAKE CHAKE
ZANZIBAR
Zanzibar
DAR-ES-SALAAM
MJIMWEMA TERMINAL
KISIJU
Mafia
KILONDONI
KILWA KIVINJE
KILWA MASOKO
KILWA KISIWANI
LINDI
MTWARA
C. Delgado
MOCIMBOA
IBO
PEMBA
MEMBA
NACALA
MOZAMBIQUE
QUINGA
ANGOCHE
PEBANE
PORTO BELO
QUELIMANE
CHINDE
BEIRA
NOVA MAMBONE
BARTOLOMEO DIAZ
Bazaruto
VILANCULAS
INHAMBANE
C. Corrientes
MAPUTO
BELA VISTA
RICHARDS BAY
DURBAN (PORT NATAL)
PORT SHEPSTONE
PORT ST. JOHNS
EAST LONDON
PORT ELIZABETH
PORT ALFRED
C. Recife
Mozambique Channel
Bassas de India (Reunion-Fr)
Europa Is. (Reunion-Fr)
Juan de Nova (Fr.)
C. St. Andrew
St. Augustin Bay
C. St. Mary
COMOROS
Grand Comore
MORONI
Mohilla
FOMBONI
Aldabra (Sey.)
Assumption
Cosmole
ASTOVE
Glorieuses (Reunion-Fr)
Anjouan
MUTSAMUDU
ANTSIRANANA
Mayotte (Fr.)
PORT DZAOUDZI
NOSSI-BE
MAROMANDIA
ANALALAVA
PORT ST. LOUIS
MAHAJUNGA
MANANARA
SOALALA
FENERIVE
FOULPOINTE
TAMATAVE
MADAGASCAR
(MALAGASY REPUBLIC)
MAHANORO
MORONDAVA
MANANJARY
ANTONGO
MOROMBE
MANAKARA
MANOMBO
FARAFANGANA
TULEAR
MANANTENINA
ANDROKA
FORT DAUPHIN
FAUX CAP
MAINTIRANO



From Mozambique to:	Miles	Days (at 16 knots)
ADEN	2,125	5.5
CAPE TOWN	1,844	4.8
COLOMBO	2,685	7.0
FREMANTLE	4,365	11.4
JAKARTA	3,965	10.3
KARACHI	2,845	7.4
RANGOON	3,835	10.0
SINGAPORE	4,075	10.6

	BEIRA	CAPE TOWN	DAR-ES-SALAAM	DIEGO GARCIA	DURBAN	FORT DAUPHIN	MAPUTO	MOMBASA	MORONDAVA	MORONI	MOZAMBIQUE	NOSSI BE	POINTE DES GALETS	PORT ELIZABETH	PORT LOUIS	PORT VICTORIA
CAPE TOWN	1,495															
DAR-ES-SALAAM	1,015	2,370														
DIEGO GARCIA	2,380	3,460	1,985													
DURBAN	705	800	1,580	2,710												
FORT DAUPHIN	795	1,650	1,345	1,810	905											
MAPUTO	485	1,095	1,360	2,605	305	800										
MOMBASA	1,150	2,510	175	1,985	1,720	1,485	1,500									
MORONDAVA	555	1,705	875	2,085	935	540	780	1,015								
MORONI	720	2,080	385	1,770	1,290	1,000	1,075	505	550							
MOZAMBIQUE	485	1,845	535	1,935	1,055	830	835	675	380	260						
NOSSI BE	880	2,195	670	1,535	1,405	980	1,190	760	600	325	460					
POINTE DES GALETS	1,310	2,165	1,315	1,295	1,420	520	1,315	1,385	1,045	995	1,175	775				
PORT ELIZABETH	1,085	425	1,960	3,050	390	1,245	685	2,100	1,295	1,675	1,435	1,785	1,760			
PORT LOUIS	1,440	2,295	1,355	1,175	1,550	655	1,445	1,425	1,190	350	1,215	815	135	1,885		
PORT VICTORIA	1,545	2,870	1,015	1,035	2,080	1,335	1,865	970	1,275	835	1,085	720	985	2,460	945	
VATOMANDRY	1,165	2,015	1,145	1,560	1,265	380	1,175	1,215	860	820	1,010	610	375	1,605	490	965

MAP 30 – EAST AFRICA

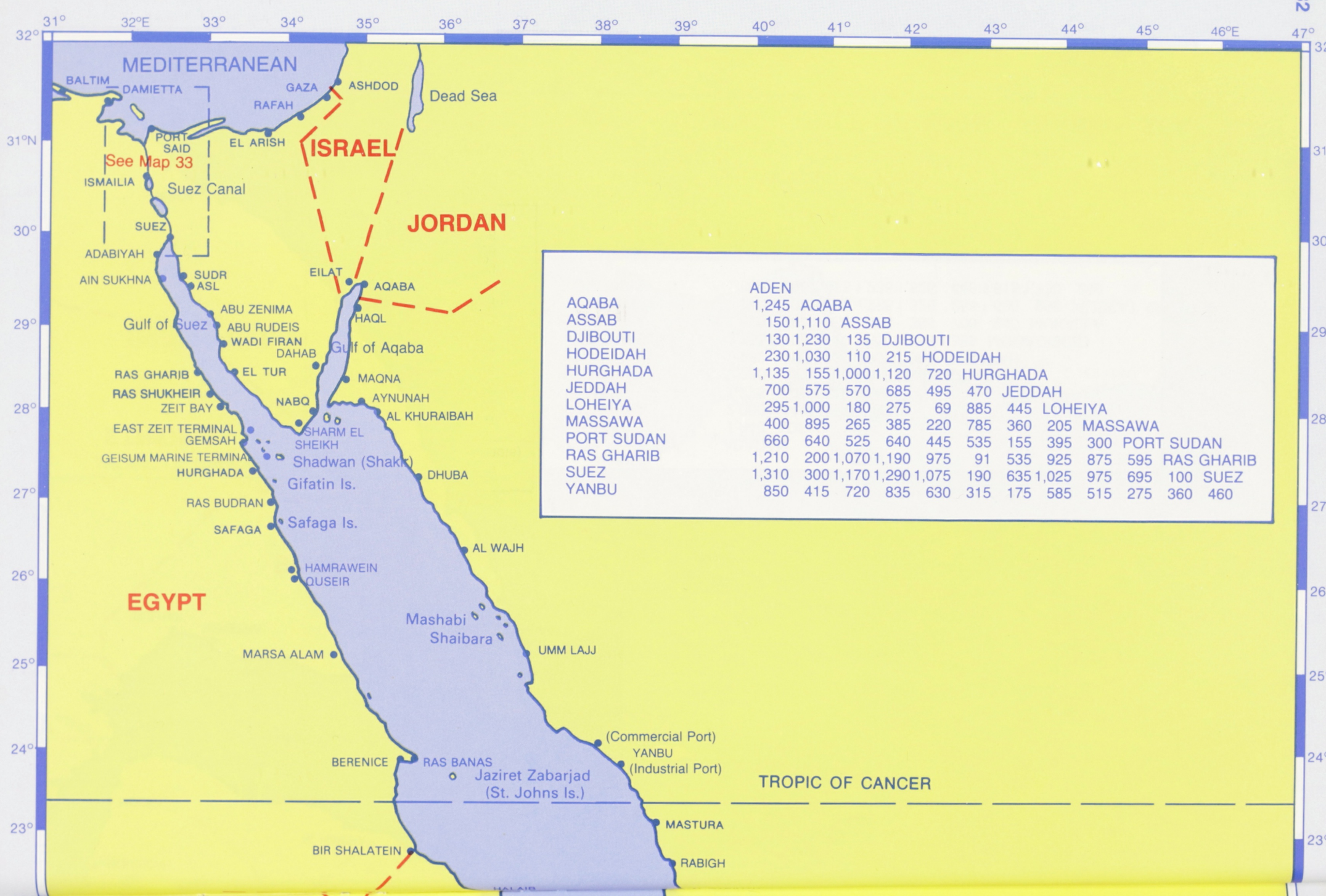
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42°
44°E
46°
48°
50°
52°
54°
56°
58°
60°
62°
64°E
66°
30°N
28°
26°
24°
22°
20°
18°
IRAQ
KUWAIT
SAUDI ARABIA
IRAN
PAKISTAN
U.A.E.
OMAN
BAHRAIN
QATAR
THE GULF
GULF OF OMAN
ARABIAN SEA
TROPIC OF CANCER
See Map 35
KHORRAMSHAHR
BASRAH
ABADAN
BANDAR MAHSHAHR
BANDAR IMAM KHOMEINI
KUWAIT
KHARG IS.
SHUAIBA
BUSHIRE
RAS AL MISHAB
BANDAR ABBAS
JUBAIL
JU'AYMAH
RAS TANURA
DAMMAM
SITRA
LAVAN IS.
QISHM
Str. of Hormuz
Qeshm I.
SIRRI IS.
SHARJAH
DOHA
DAS IS.
UMM SAID
DUBAI
ABU DHABI
RUWAIS
KHOR FAKKAN
FUJAIRAH
JASK
CHAR BAHAR
GWADAR
ORMARA
PASNI
GAVATER
PORT QABOOS (MUTRAH)
MINA AL FAHAL
MUSCAT
SUR
Ras Al Hadd
DUWWAH
AL KHALUF
Masirah Is.
Ras Madrakah
SAWQIRAH
Kuria Muria Is.
MIRBAT
MINA RAYSUT
DAMQAWT
SAYHUT
Ras Fartak
GIZAN

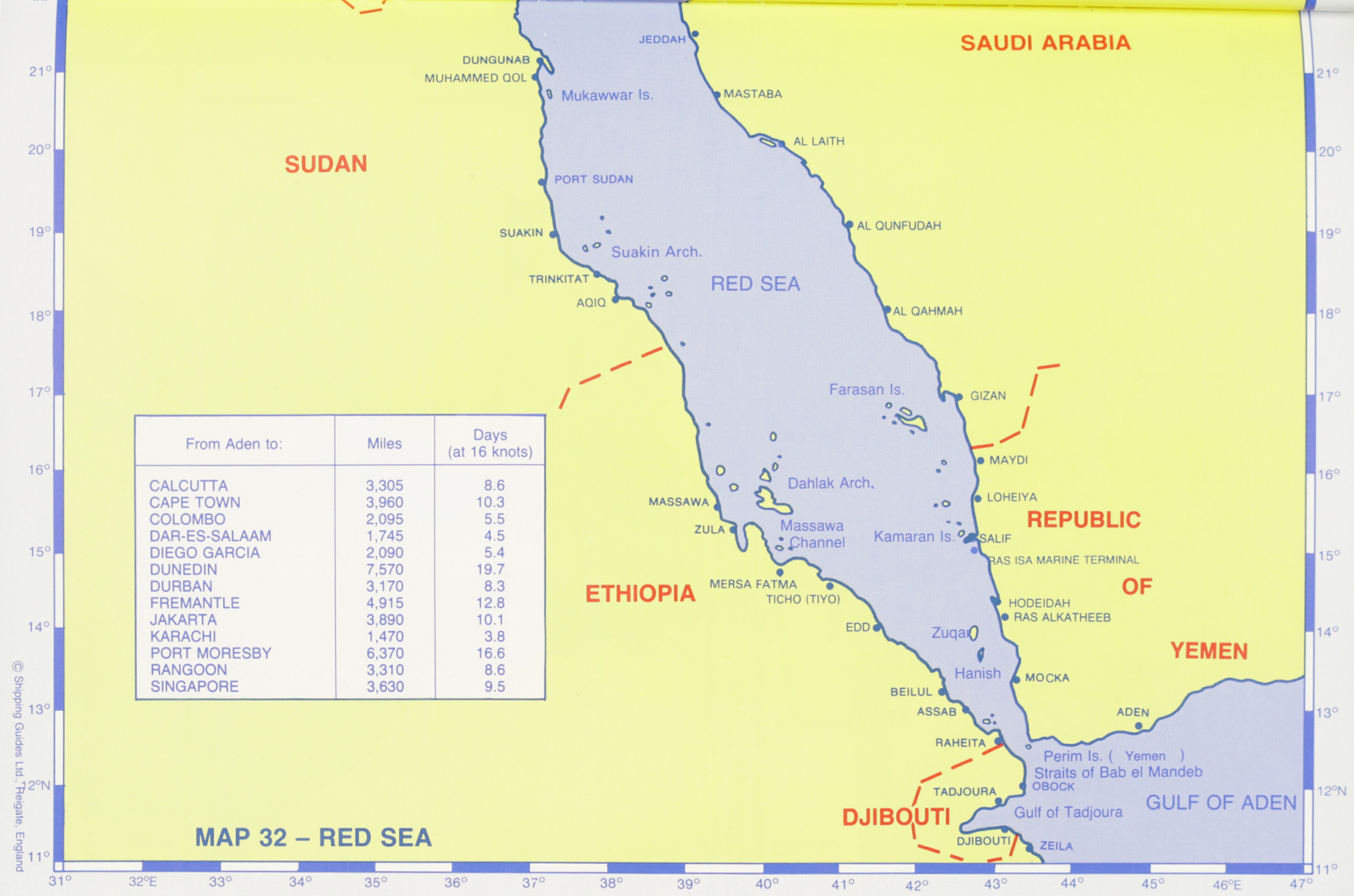
	ABADAN								
ADEN	1,940	ADEN							
BERBERA	2,000	145	BERBERA						
DANTE	1,775	500	510	DANTE					
DJIBOUTI	2,060	130	150	610	DJIBOUTI				
DUWWAH	980	970	1,030	805	1,090	DUWWAH			
MOGADISCIO	2,355	1,105	1,120	630	1,215	1,385	MOGADISCIO		
MUKALLA	1,670	280	350	335	385	700	940	MUKALLA	
MUSCAT	740	1,205	1,265	775	1,325	255	1,620	935	MUSCAT
QUOIN IS.	540	1,400	1,465	1,235	1,525	445	1,815	1,130	200

MAP 31 – GULF OF ADEN / ARABIAN SEA

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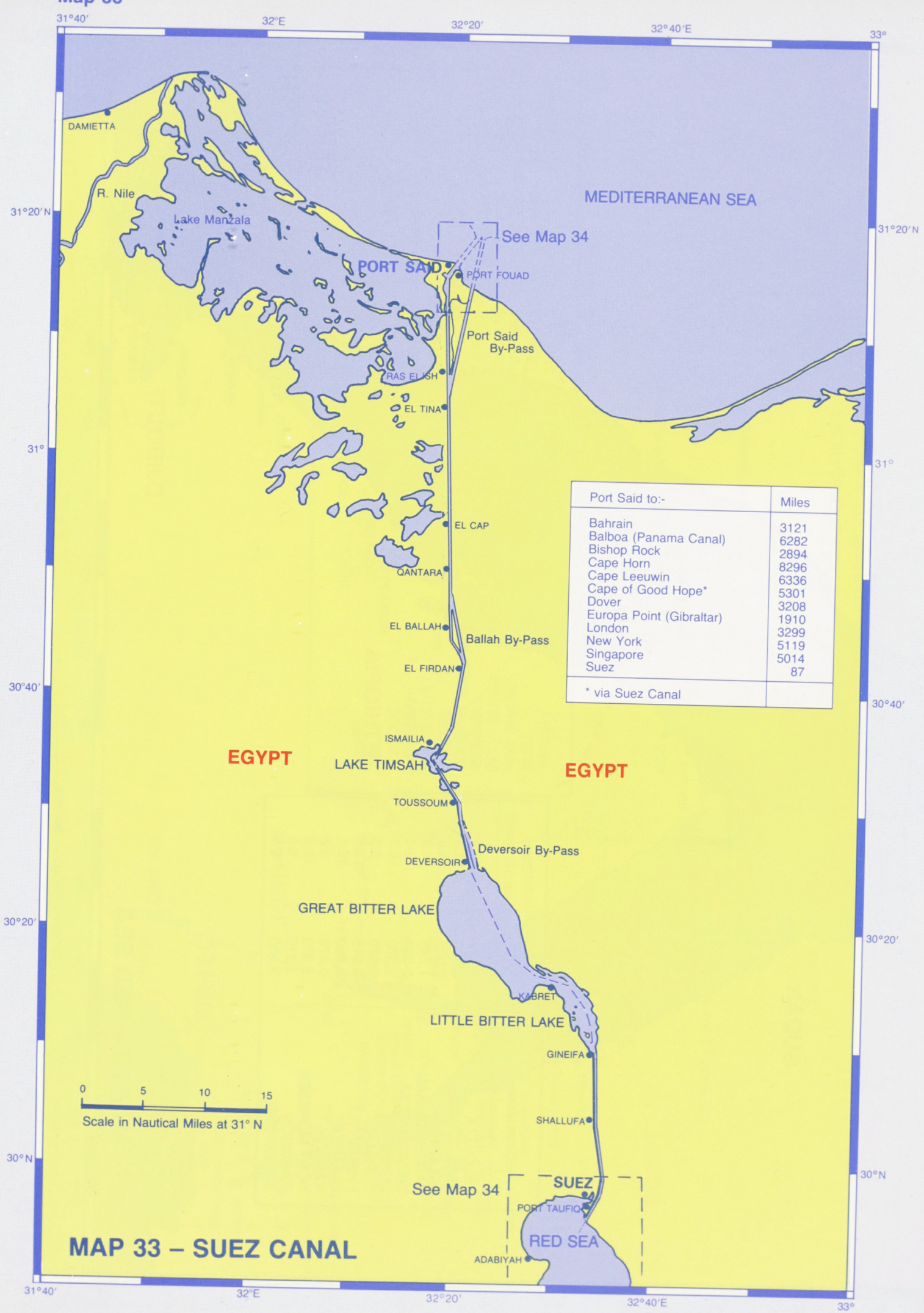
	ADEN										
AQABA	1,245	AQABA									
ASSAB	150	1,110	ASSAB								
DJIBOUTI	130	1,230	135	DJIBOUTI							
HODEIDAH	230	1,030	110	215	HODEIDAH						
HURGHADA	1,135	155	1,000	1,120	720	HURGHADA					
JEDDAH	700	575	570	685	495	470	JEDDAH				
LOHEIYA	295	1,000	180	275	69	885	445	LOHEIYA			
MASSAWA	400	895	265	385	220	785	360	205	MASSAWA		
PORT SUDAN	660	640	525	640	445	535	155	395	300	PORT SUDAN	
RAS GHARIB	1,210	200	1,070	1,190	975	91	535	925	875	595	RAS GHARIB
SUEZ	1,310	300	1,170	1,290	1,075	190	635	1,025	975	695	100 SUEZ
YANBU	850	415	720	835	630	315	175	585	515	275	360 460



From Aden to:	Miles	Days (at 16 knots)
CALCUTTA	3,305	8.6
CAPE TOWN	3,960	10.3
COLOMBO	2,095	5.5
DAR-ES-SALAAM	1,745	4.5
DIEGO GARCIA	2,090	5.4
DUNEDIN	7,570	19.7
DURBAN	3,170	8.3
FREMANTLE	4,915	12.8
JAKARTA	3,890	10.1
KARACHI	1,470	3.8
PORT MORESBY	6,370	16.6
RANGOON	3,310	8.6
SINGAPORE	3,630	9.5

MAP 32 – RED SEA

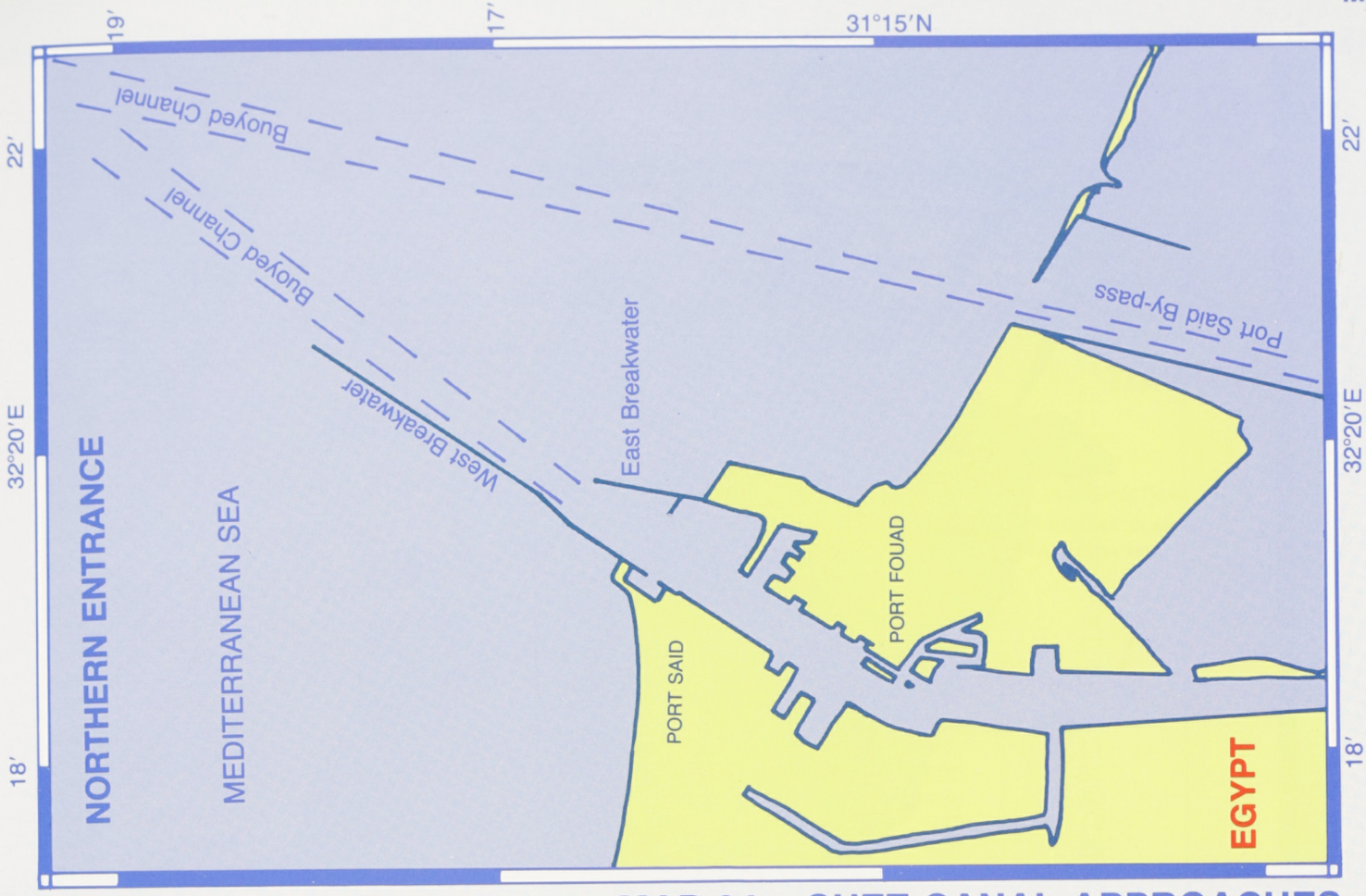
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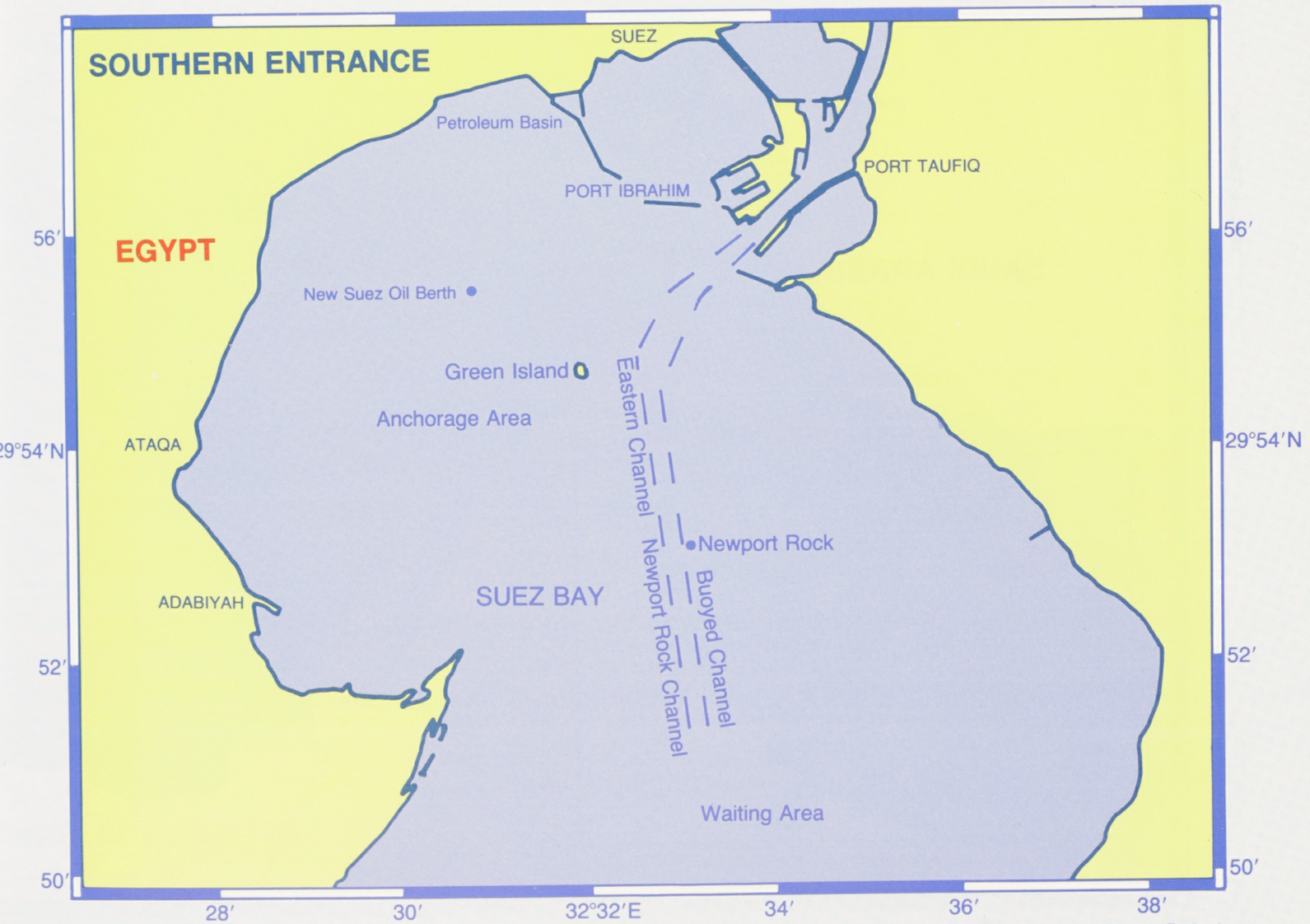
Port Said to:-	Miles
Bahrain	3121
Balboa (Panama Canal)	6282
Bishop Rock	2894
Cape Horn	8296
Cape Leeuwin	6336
Cape of Good Hope*	5301
Dover	3208
Europa Point (Gibraltar)	1910
London	3299
New York	5119
Singapore	5014
Suez	87
* via Suez Canal	

MAP 33 – SUEZ CANAL

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MAP 34 – SUEZ CANAL APPROACHES



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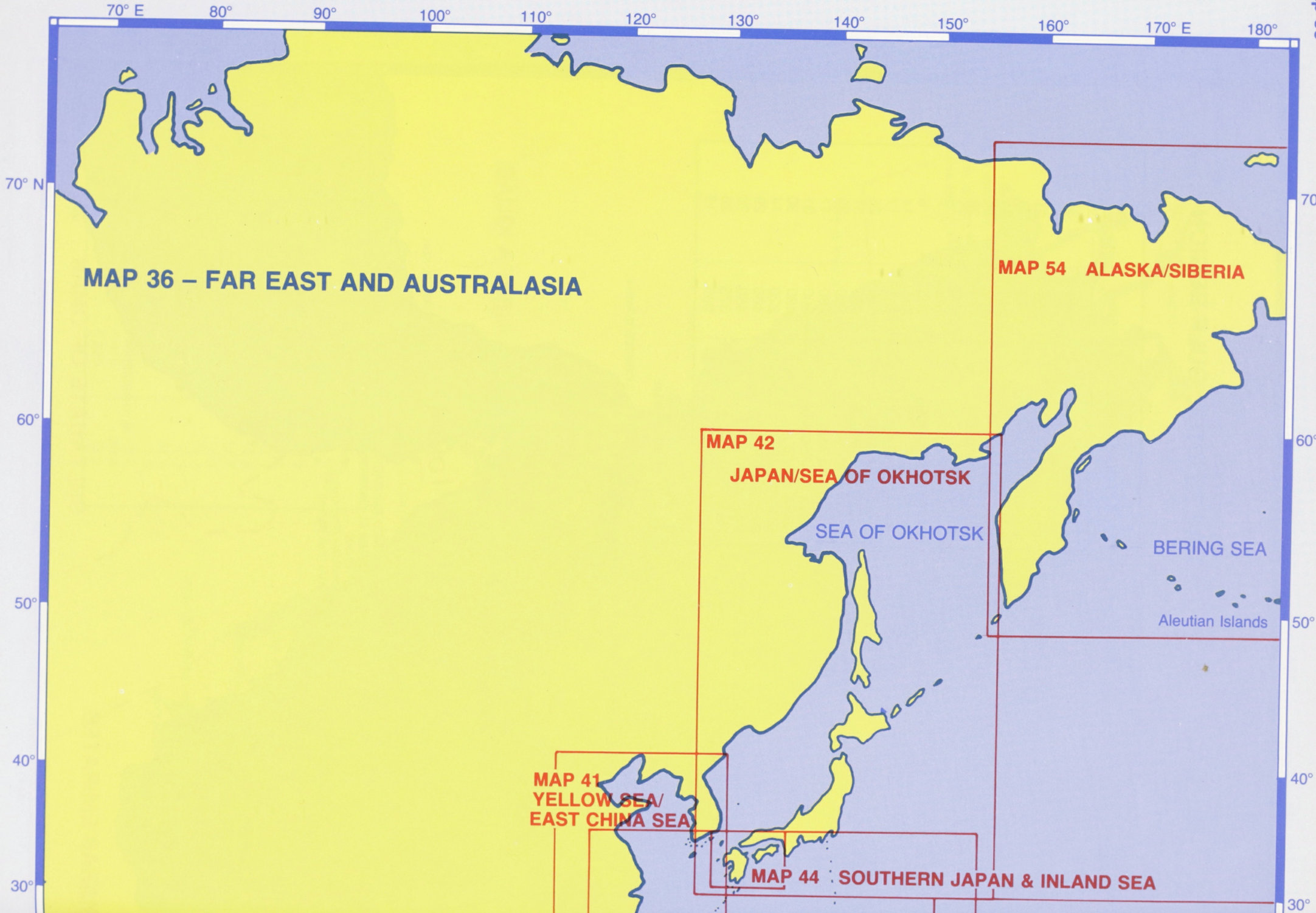
From Quoin Is. to:	Miles	Days (at 16 knots)
BOMBAY	1,020	2.7
CAPE TOWN	4,655	12.1
COLOMBO	1,785	4.7
DAKAR	6,200	16.2
FREMANTLE	4,875	12.7
JAKARTA	3,600	9.4
LONDON (Gravesend)	6,025	15.7
MOZAMBIQUE	2,820	7.3
NEW ORLEANS	9,275	24.2
PORT SAID	2,790	7.3
SINGAPORE	3,330	8.7
WELLINGTON	7,810	20.4
YOKOHAMA	6,225	16.2

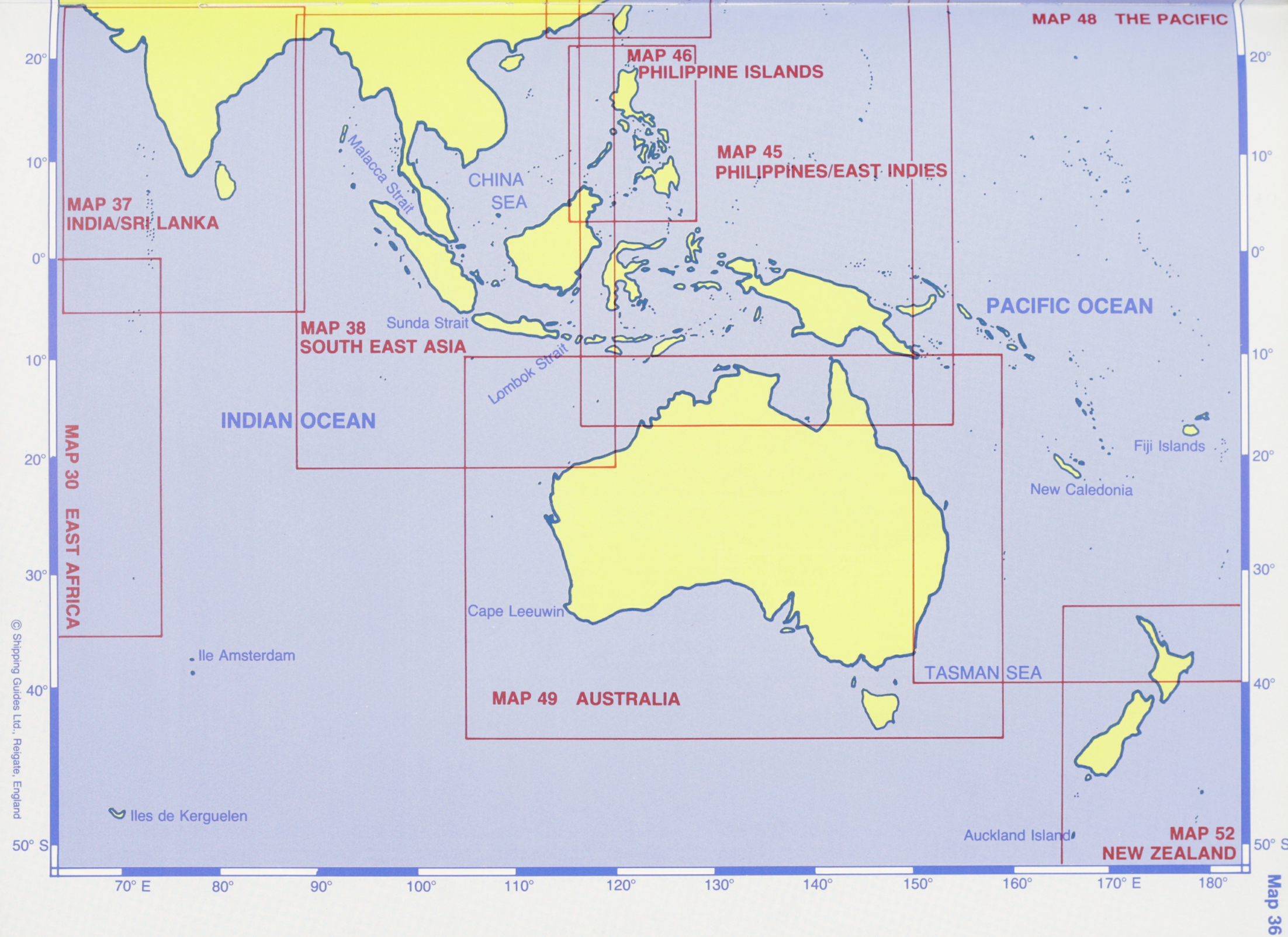
MAP 35 – THE GULF REGION

From Quoin Island to:	Miles	Hours (at 16 knots)
ABADAN	540	34
ABU DHABI	175	11
BAHRAIN	335	21
BANDAR ABBAS	42	3
BANDAR MAHSHAHR	540	34
BASRAH	570	36
CYRUS TERMINAL	445	28
DAS ISLAND	215	13
DUBAI	105	7
FATEH TERMINAL	125	8
HALUL	230	14
JEBEL DHANNA-RUWAIS	265	17
KHARG ISLAND	410	26
KHOR AL AMAYA	495	31
KUWAIT	520	33
LAVAN ISLAND	180	11
MINA AL AHMADI	500	31
MINA SAUD	480	30
MUBARRAS	220	14
RAS BAHREGAN	460	29
RAS AL KHAFJI	450	28
RAS TANURA	375	23
UMM SAID	305	19

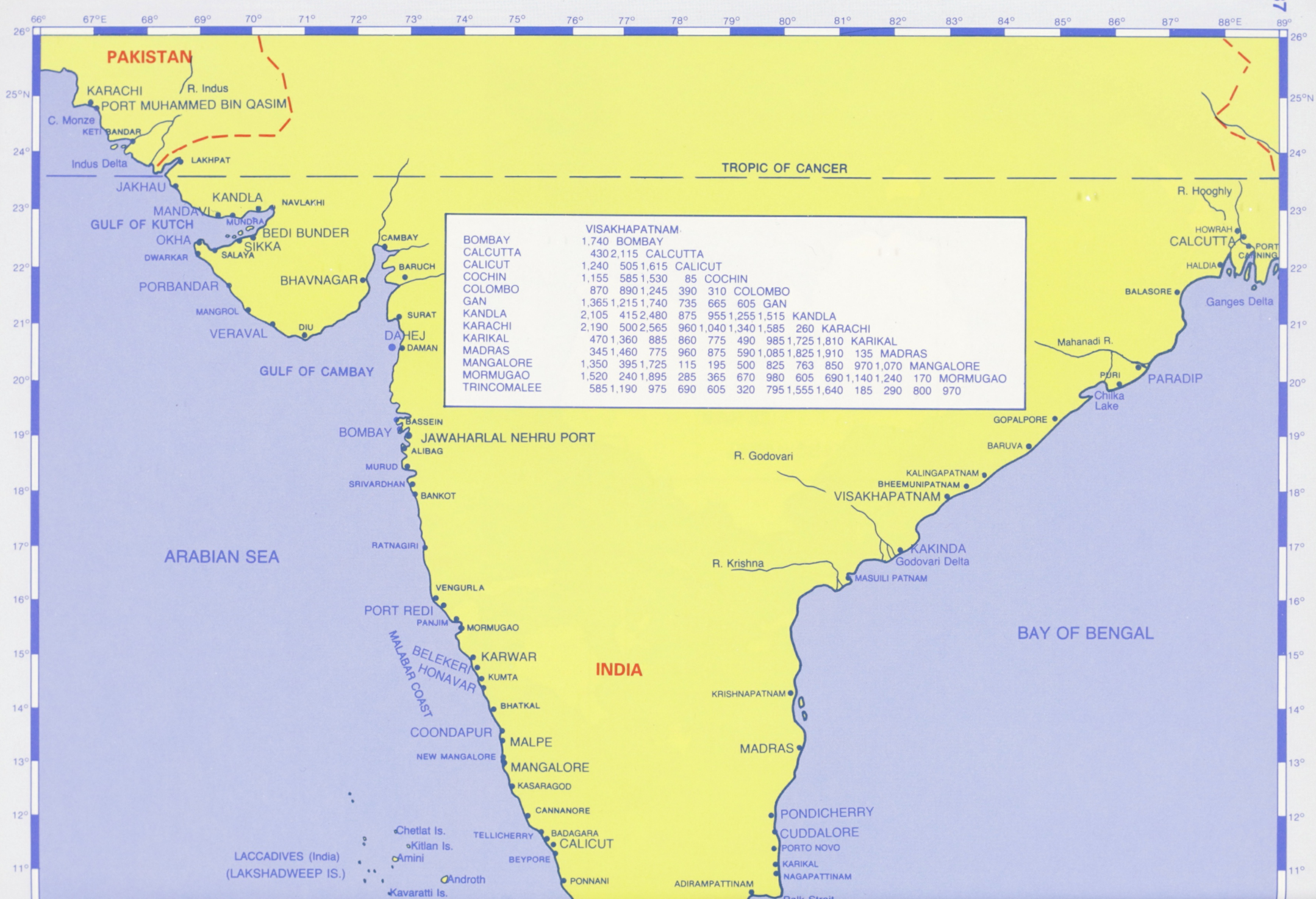


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70° E
80°
90°
100°
110°
120°
130°
140°
150°
160°
170° E
180°
70° N
60°
50°
40°
30°
MAP 36 – FAR EAST AND AUSTRALASIA
MAP 54 ALASKA/SIBERIA
MAP 42
JAPAN/SEA OF OKHOTSK
SEA OF OKHOTSK
BERING SEA
Aleutian Islands
MAP 41
YELLOW SEA/
EAST CHINA SEA
MAP 44 SOUTHERN JAPAN & INLAND SEA



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	VISAKHAPATNAM												
BOMBAY	1,740	BOMBAY											
CALCUTTA	430	2,115	CALCUTTA										
CALICUT	1,240	505	1,615	CALICUT									
COCHIN	1,155	585	1,530	85	COCHIN								
COLOMBO	870	890	1,245	390	310	COLOMBO							
GAN	1,365	1,215	1,740	735	665	605	GAN						
KANDLA	2,105	415	2,480	875	955	1,255	1,515	KANDLA					
KARACHI	2,190	500	2,565	960	1,040	1,340	1,585	260	KARACHI				
KARIKAL	470	1,360	885	860	775	490	985	1,725	1,810	KARIKAL			
MADRAS	345	1,460	775	960	875	590	1,085	1,825	1,910	135	MADRAS		
MANGALORE	1,350	395	1,725	115	195	500	825	763	850	970	1,070	MANGALORE	
MORMUGAO	1,520	240	1,895	285	365	670	980	605	690	1,140	1,240	170	MORMUGAO
TRINCOMALEE	585	1,190	975	690	605	320	795	1,555	1,640	185	290	800	970

From Colombo to:	Miles	Days (at 16 knots)
COCOS I.	1,540	4.0
DUNEDIN	5,825	15.2
DURBAN	3,615	9.4
FREMANTLE	3,120	8.1
MUSCAT	1,595	4.2
PORT MORESBY	4,325	11.3
PORT SAID	3,480	9.1
PORT VICTORIA	1,645	4.3
RANGOON	1,250	3.3
SAN FRANCISCO	8,925	23.3
SINGAPORE	1,570	4.1

MAP 37 – INDIA / SRI LANKA

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TROPIC OF CANCER
INDIA
BANGLADESH
CHINA
MYANMAR (BURMA)
THAILAND
CAMBODIA
VIETNAM
LAOS
MALAYSIA
MALAYA
SINGAPORE
BRUNEI
SABAH
SARAWAK
PHILIPPINES
PALAWAN
BAY OF BENGAL
ANDAMAN SEA
GULF OF THAILAND
GULF OF TONKIN
SOUTH CHINA SEA
INDIAN OCEAN
Str. of Malacca
Hainan Str.
Macassar Strait
Balabac Str.
Coco Channel
Ten Degree Channel
Sombrero Channel
Duncan Passage
Mergu Arch.
Ganges Delta
Irrawaddy Delta
Mekong Delta
R. Irrawaddy
R. Chao Phraya
R. Mekong
Pte. De Ca Mau
Con Son Is.
Paracel Is. (China)
Woody
Lincoln
Triton
Spratly I.
Pratas I. (China)
LAN SHUI TERMINAL
Bunguran (Natuna)
ANOA NATURA TERMINAL
KAKAP NATURA TERMINAL
KERTEH TERMINAL
TAN JUNG BERHALA
Anamba Is.
Subi
ROYALIST HAVEN
Serasan
Penang Is.
Simeulu
Basuanga
EL NIDO
BABUYAN
CALAMIAN
CUYO
BALABAC
KUDAT
SANDAKAN
KOTA KINABALU
LABUAN
MIRI
BINTULU
SIBU
OYA
TANJUNG SELOR
SANGKULIRANG
Andaman Islands (India)
Nicobar Islands (India)
N. Andaman
Middle Andaman
S. Andaman
Little Andaman
Car Nicobar
Katchall
Little Nicobar
Great Nicobar
NANCOWRY
TIDEN
DAKOANK
PORT CORNWALLIS
KAREN
PORT MEADOWS
PORT BLAIR
Cheduba Is.
HOWRAH
CALCUTTA
HALDIA
KHULNA
MONGLA
CHITTAGONG
COX'S BAZAR
ELEPHANT POINT
MAUNGDAW
AKYAB
KYAUKPYU
SANDOWAY
PROME
HENZADA
YANGON (RANGOON)
BASSEIN
SYRIAM
LABUTTA
MOULMEIN
KYAIKKAMI (AMHERST)
YE
TAVOY
MERGUI
TENASSERIM
KHIRI KHAN
KOHSICHANG
LAEM CHABANG
SRIRACHA
SATTAHIP
CHANTHABURI
BANGKOK
KARATHURI
KAWTHAUNG
TAKUA PA
KHANOM
SURAT THANI
PHANGNGA
KRABI
PHUKET
KANTANG
SONGKHLA
PATTANI
PERLIS
ALOR SETAR
KOTA BAHRU
TUMPAT
KUALA TERENGGANU
SABANG
KRUENG RAYA
ULEEHEUE
LHOKNGA
LHOKSEUMAWE
PENANG
BUTTERWORTH
SIGLI
CALANG
IDI
PORT WELD
KUALALANGSA
MEULABOH
PANJANG
PANGKALAN SUSU
BELAWAN
LUMUT
TELOK ANSON
BAGAN DATOH
PAHANG
KELANG
PORT DICKSON
TANJUNGBALAI
LABUHANBILIK
BAGANSIAPI API
SUSOH
TAPAKTUAN
SINABANG
SINGKO
BARUS
KUALA TANJUNG
DUNGUN
BEKAN
ROMPIN
MERSING
PULAU
MALACCA
ENDAU
MUAR
BATU PAHAT
BENGKALIS
DUMAI
TANDJUNG BLITUNG
TERAMPA
UDANG NATUNA
TANJUNG MANIS
SARIKEI
RAJANG
BINTULU TERMINAL
LUTONG
SIBUTI
NIAH
SUAI
SERIA
KUALA BELAIT
TANJUNG SALIRONG MUARA
WESTON
LIMBANG
SIPITANG
LAHAD DATU
TAWAU
BAKAPIT
SEMPORNA
NUNUKAN
BUNYU
TARAKAN
QUEZON
ERAN
BONOBONO
RIO TUBA
HO CHI MIN (SAIGON)
NHA BE
VUNG TAU
ME THO
HON CHONG
HAM NINH
KOMPONG SOM
REAM
KAMPOT
PHNOM PENH
NHA TRANG
CAM RANH
QUANG NGAI
DUC PHO
QUI NHON
DANANG
HUE
DONG HOI
BEN THUY
VINH
HANOI
CAMPHA HONGAI
VAN HOA
Wei Chou
QUANG NINH
HAIPHONG
FANGCHENG
BEIHAI
ZHANJIANG
LEI ZHOU
HSU WEN
HAIKOU
LIN KAO
BASUO
PASO
Hainan
DONGFANG
YU LIN
SANYA
C. Bastion
WUZHOU
SHANTOU
HUANG-KANG
CANTON
GUANGZHOU
JIANGMEN
HONG-KONG (U.K.)
MACAU (PORT.)
22°N
20°
18°
16°
14°
12°
10°
8°
6°
4°
2°
24°
88°
90°E
92°
94°
96°
98°
100°
102°
104°
106°
108°
110°
112°
114°
116°
118°E

From Singapore to:	Miles	Days (at 16 knots)
AUCKLAND	5,060	13.2
BRISBANE	3,845	10.0
CALCUTTA	1,650	4.3
CAPE HORN	9,525	24.8
DAR-ES-SALAAM	4,040	10.5
DIEGO GARCIA	2,190	5.7
FREMANTLE	2,220	5.8
HONOLULU	5,880	15.3
KARACHI	2,890	7.5
OSAKA	2,695	7.0
RABAUL	3,120	8.1
SUVA	4,733	12.3
VANCOUVER	7,080	18.4
VLADIVOSTOCK	3,010	7.8

	API API	BANGKOK	CALCUTTA	COCOS I.	DAMPIER	HAIPHONG	HONG KONG	JAKARTA	KOTA BARU	LABUAN	MACASSAR	PONTIANAK	PORT BLAIR	RANGOON	SANDAKAN	SINGAPORE	SURABAYA
BANGKOK	1,000																
CALCUTTA	1,900	2,480															
COCOS I.	955	1,950	2,170														
DAMPIER	1,445	2,440	3,185	1,270													
HAIPHONG	1,495	1,375	2,975	2,330	2,735												
HONG KONG	1,630	1,490	3,110	2,450	2,775	640											
JAKARTA	305	1,290	2,170	715	1,205	1,670	1,790										
KOTA BARU	800	1,675	2,595	1,355	1,075	1,920	1,765	655									
LABUAN	810	1,130	2,385	1,595	2,010	1,310	1,150	935	1,110								
MACASSAR	960	1,805	2,755	1,445	1,025	2,000	1,825	765	230	1,175							
PONTIANAK	330	1,015	2,005	1,080	1,465	1,340	1,465	420	725	588	850						
PORT BLAIR	1,180	1,760	775	1,450	2,455	2,255	2,390	1,450	1,875	1,665	2,035	1,285					
RANGOON	1,370	1,950	780	1,755	2,740	2,445	2,580	1,645	2,065	1,855	2,225	1,475	385				
SANDAKAN	1,115	1,440	2,690	1,960	1,745	1,300	1,115	1,250	720	415	800	900	1,970	2,160			
SINGAPORE	250	830	1,650	1,170	1,660	1,325	1,460	525	945	735	1,105	355	930	1,120	1,040		
SURABAYA	585	1,485	2,405	1,090	990	1,820	1,940	385	370	1,080	440	545	1,685	1,870	1,075	760	
TARAKAN	1,255	1,685	2,935	1,815	1,520	1,550	1,320	1,110	480	690	555	1,150	2,215	2,405	285	1,285	820

MAP 38 – SOUTH EAST ASIA

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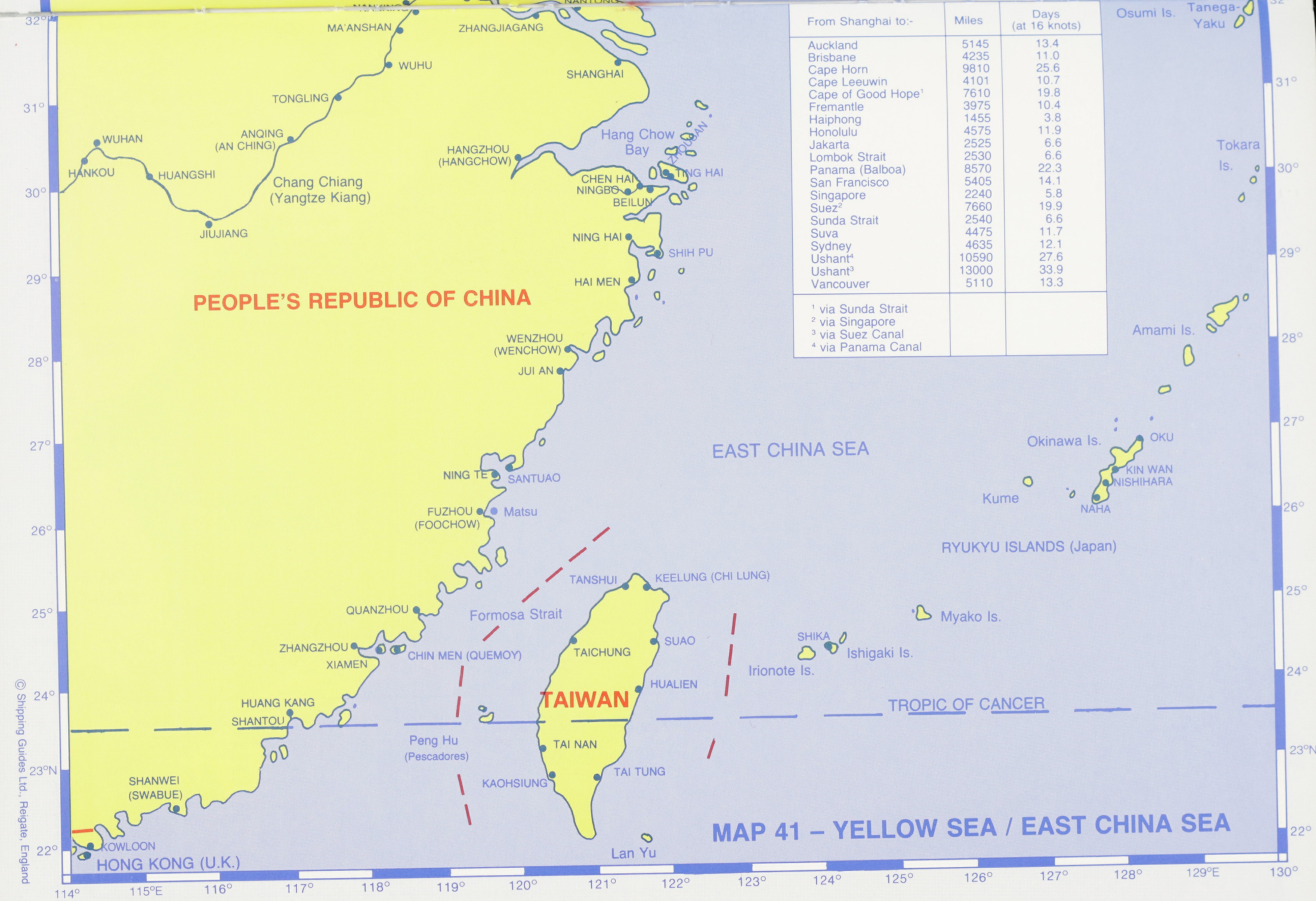

MAP 39 – MALACCA / SINGAPORE STRAITS
96°E
97°
98°
99°
100°
101°
102°
103°
104°E
6°N
5°
4°
3°
2°
1°N
TELOK EWA
PERLIS
ALOR SETAR
TUMPAT
KOTA BAHRU
KUALA TERENGGANU
SIGLI
BLANG LANCANG
LHOKSEUMAWE
IDI
KUALA BEUKAH
KUALALANGSA
PANGKALAN SUSU
BELAWAN
KUALA TANJUNG
TANJUNG BALAI
MALACCA STRAIT
Penang Is.
BUTTERWORTH
PORT WELD
LUMUT
BAGAN DATOH
MALAYSIA
Malaya
DUNGUN
KERTEH TERMINAL
TANJUNG BERHALA
KUANTAN (NEW PORT)
KUANTAN
PEKAN
ROMPIN
ENDAU
MERSING
MEULABOH
SUSOH
TAPAKTUAN
INDONESIA
Sumatra
One Fathom Bank
PORT KELANG
PORT DICKSON
MALACCA
MUAR
BATU PAHAT
BAGANSIAPIAPI
LABUHANBILIK
Rupat
Bengkalis
BENGKALIS
DUMAI
SUNGEI PAKNING
SELAT LALANG
BARUS
SIBOLGA
See Map 40
SINGAPORE
Map 39
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	CHI LUNG									
FU CHOU	150	FU CHOU								
HONG KONG	470	465	HONG KONG							
INCHON	785	805	1,190	INCHON						
KAOHSIUNG	225	250	345	965	KAOHSIUNG					
LU SHUN	860	875	1,265	295	1,035	LU SHUN				
NAGASAKI	630	690	1,065	430	830	585	NAGASAKI			
NAHA	330	445	800	720	540	840	415	NAHA		
PUSAN	715	760	1,140	395	910	550	165	550	PUSAN	
SHANGHAI	420	460	845	505	600	560	465	480	495	SHANGHAI
TAKU BAR	995	1,010	1,400	445	1,175	165	725	980	690	695
TSINGTAO	700	715	1,100	330	875	275	525	735	505	400

TAKU
TSINGTAO
415



From Shanghai to:-	Miles	Days (at 16 knots)
Auckland	5145	13.4
Brisbane	4235	11.0
Cape Horn	9810	25.6
Cape Leeuwin	4101	10.7
Cape of Good Hope[1]	7610	19.8
Fremantle	3975	10.4
Haiphong	1455	3.8
Honolulu	4575	11.9
Jakarta	2525	6.6
Lombok Strait	2530	6.6
Panama (Balboa)	8570	22.3
San Francisco	5405	14.1
Singapore	2240	5.8
Suez[2]	7660	19.9
Sunda Strait	2540	6.6
Suva	4475	11.7
Sydney	4635	12.1
Ushant[4]	10590	27.6
Ushant[3]	13000	33.9
Vancouver	5110	13.3

[1] via Sunda Strait
[2] via Singapore
[3] via Suez Canal
[4] via Panama Canal

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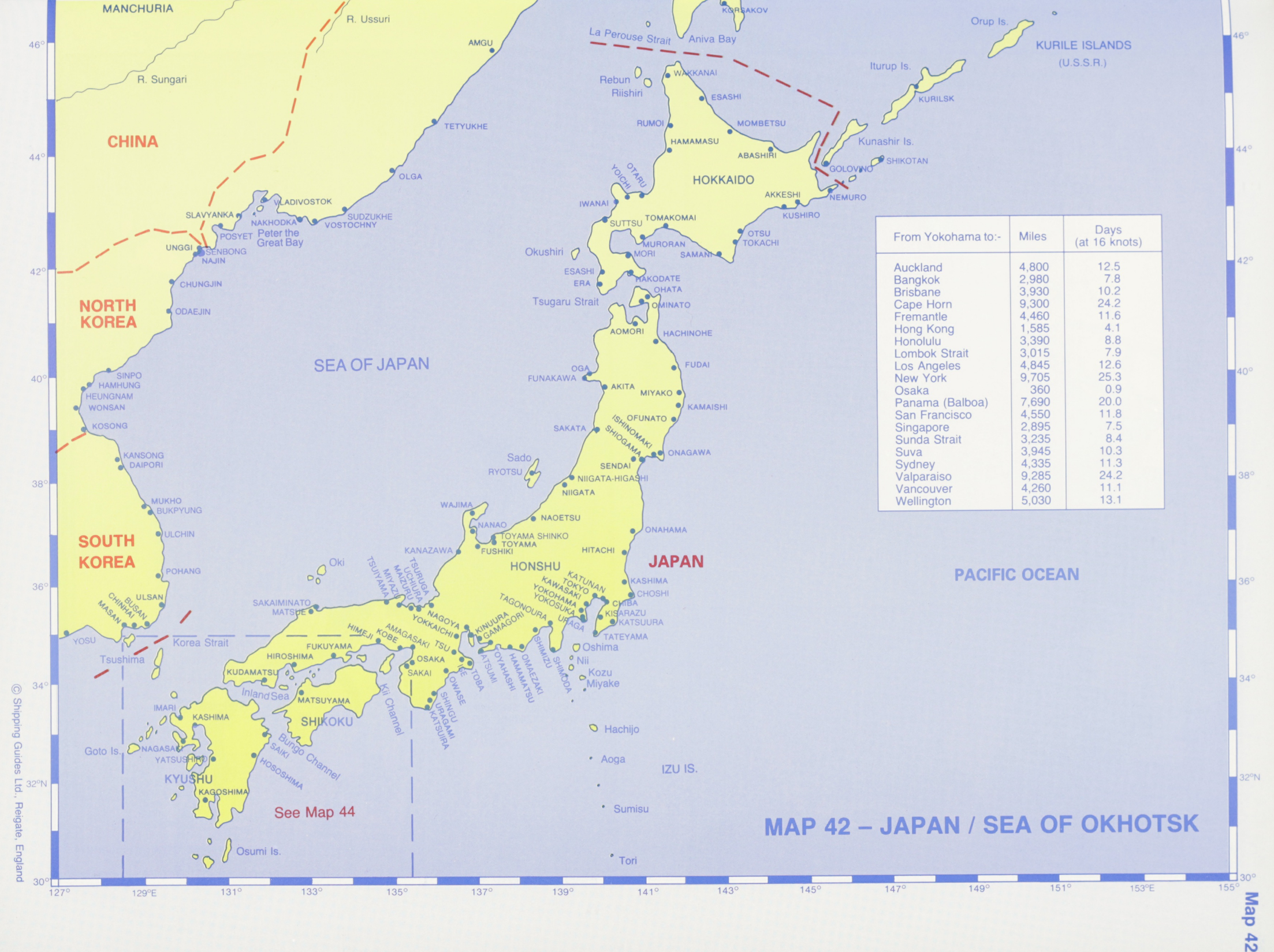
	AOMORI											
FUNAKAWA	155	FUNAKAWA										
KAGOSHIMA	950	845	KAGOSHIMA									
KOBE	840	830	375	KOBE								
KUDAMATSU	745	635	265	215	KUDAMATSU							
KUSHIRO	235	325	1,120	875	915	KUSHIRO						
MOSKALVO	1,040	1,070	1,860	1,720	1,620	885	MOSKALVO					
NAGOYA	705	800	485	245	400	735	1,625	NAGOYA				
ONAGAWA	275	370	805	570	725	310	1,165	435	ONAGAWA			
PUSAN	695	600	305	365	170	865	1,550	555	880	PUSAN		
SHIMIZU	605	700	520	280	435	635	1,495	145	335	590	SHIMIZU	
TOYAMA	345	225	715	705	510	525	1,270	895	570	480	895	TOYAMA
VLADIVOSTOCK	440	420	800	810	615	610	1,160	1,000	655	510	985	465
YOKOHAMA	560	655	590	355	510	585	1,435	215	290	660	115	860

VLADIVOSTOCK
940

127° 129°E 131° 133° 135° 137° 139° 141° 143° 145° 147° 149° 151° 153°E 155°

60° 58°N 56° 54° 52° 50° 48°

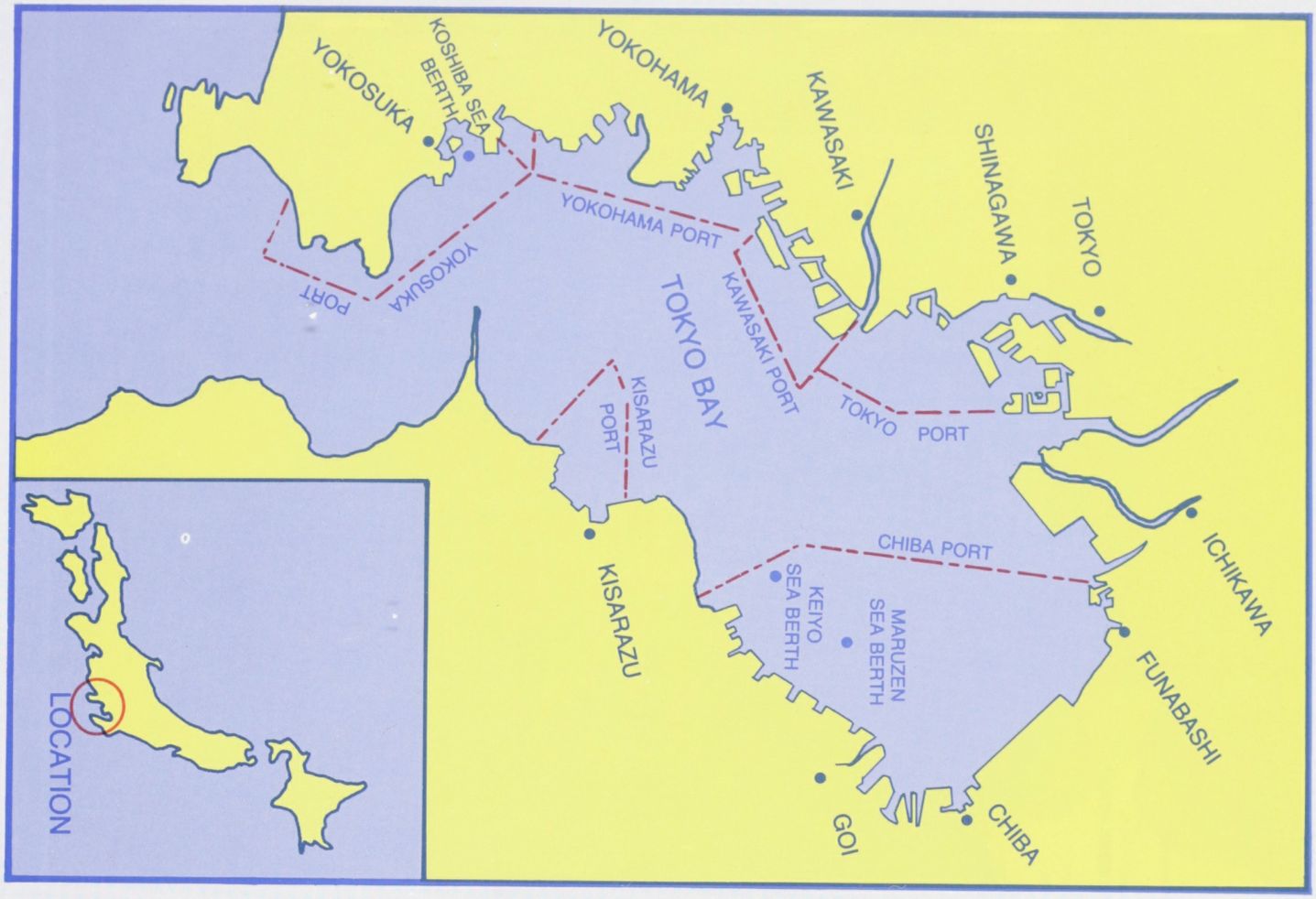
MAGADAN
TANYSK
OLA
Nagayevo Bay
ULYA
OKHOTSK
AYAN
St. Ioni
NEMUY
Great Shantar Is.
CHUMIKAN
NYVROVO
SEA OF OKHOTSK
TUGUR
NIKOLAYEVSK
MOSKALVO
OKHA
BOGORODSKOYE
LAZAREV
ANUCHINO
NOGLIKI
Tartary Straits
DE KASTRI
R. Amur
ALEXANDROVSK
MAKAREVSKIY
SAKHALIN ISLAND
U.S.S.R.
KOMSOMOLSK
PILEVO
LESOGORSK
PORONAYSK
Onekotan Is.
VANINO
SOVETSKAYA GAVAN
SHAKHTERSK
UGLEGORSK
Taraika Bay
Shiashkotan Is.
R. Amur
KHABAROVSK
MAKAROV
KRASNOGORSK
VOSTOCHNYY
ILINSKIY
TOMARI
Matsuura Is.
Gulf of Tartary
Rashau Is.
NELMA
KHOLMSK
Simushir Is.



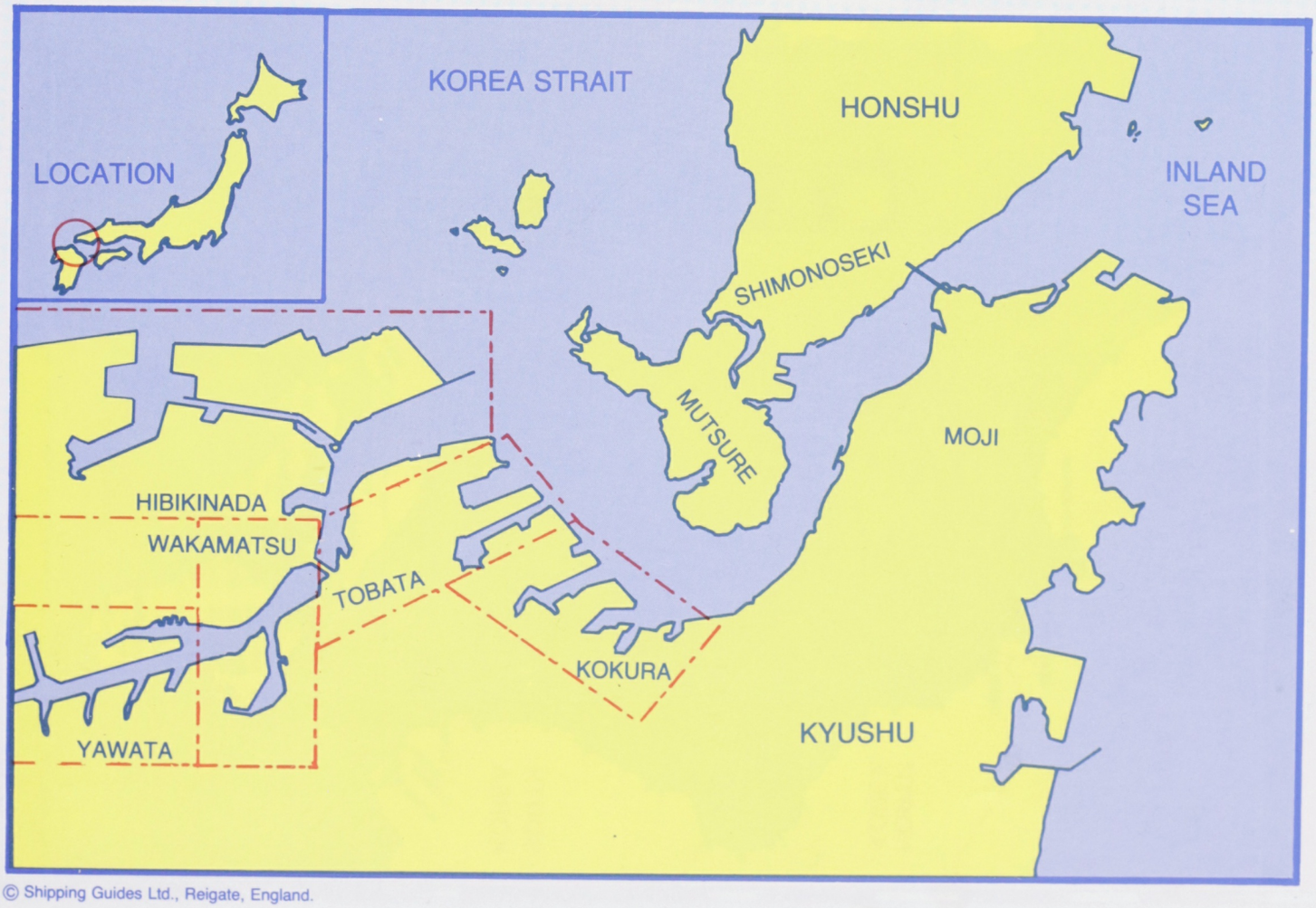
From Yokohama to:-	Miles	Days (at 16 knots)
Auckland	4,800	12.5
Bangkok	2,980	7.8
Brisbane	3,930	10.2
Cape Horn	9,300	24.2
Fremantle	4,460	11.6
Hong Kong	1,585	4.1
Honolulu	3,390	8.8
Lombok Strait	3,015	7.9
Los Angeles	4,845	12.6
New York	9,705	25.3
Osaka	360	0.9
Panama (Balboa)	7,690	20.0
San Francisco	4,550	11.8
Singapore	2,895	7.5
Sunda Strait	3,235	8.4
Suva	3,945	10.3
Sydney	4,335	11.3
Valparaiso	9,285	24.2
Vancouver	4,260	11.1
Wellington	5,030	13.1

MAP 42 – JAPAN / SEA OF OKHOTSK

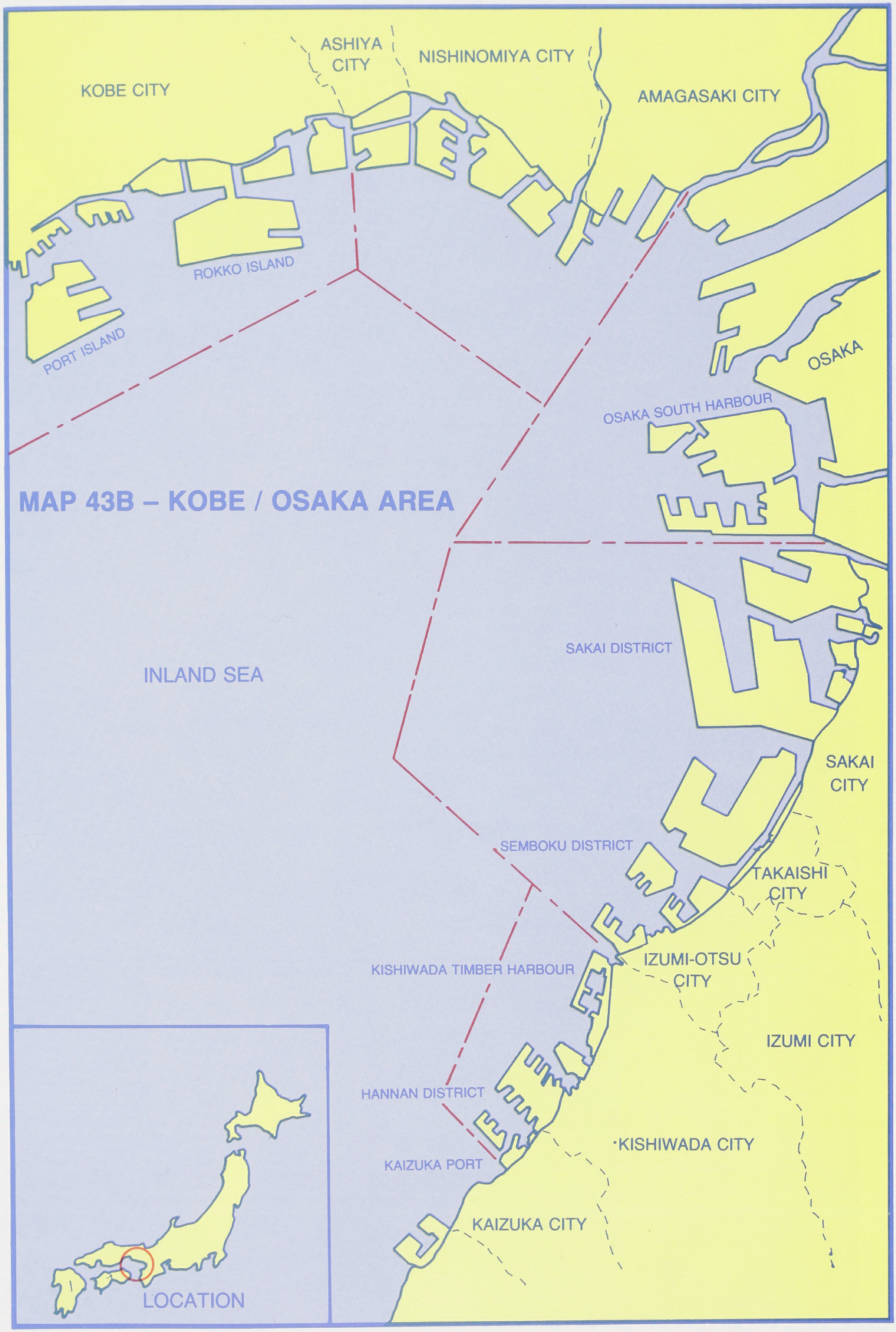
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MAP 43A – TOKYO BAY AND KANMON KO



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Map 44

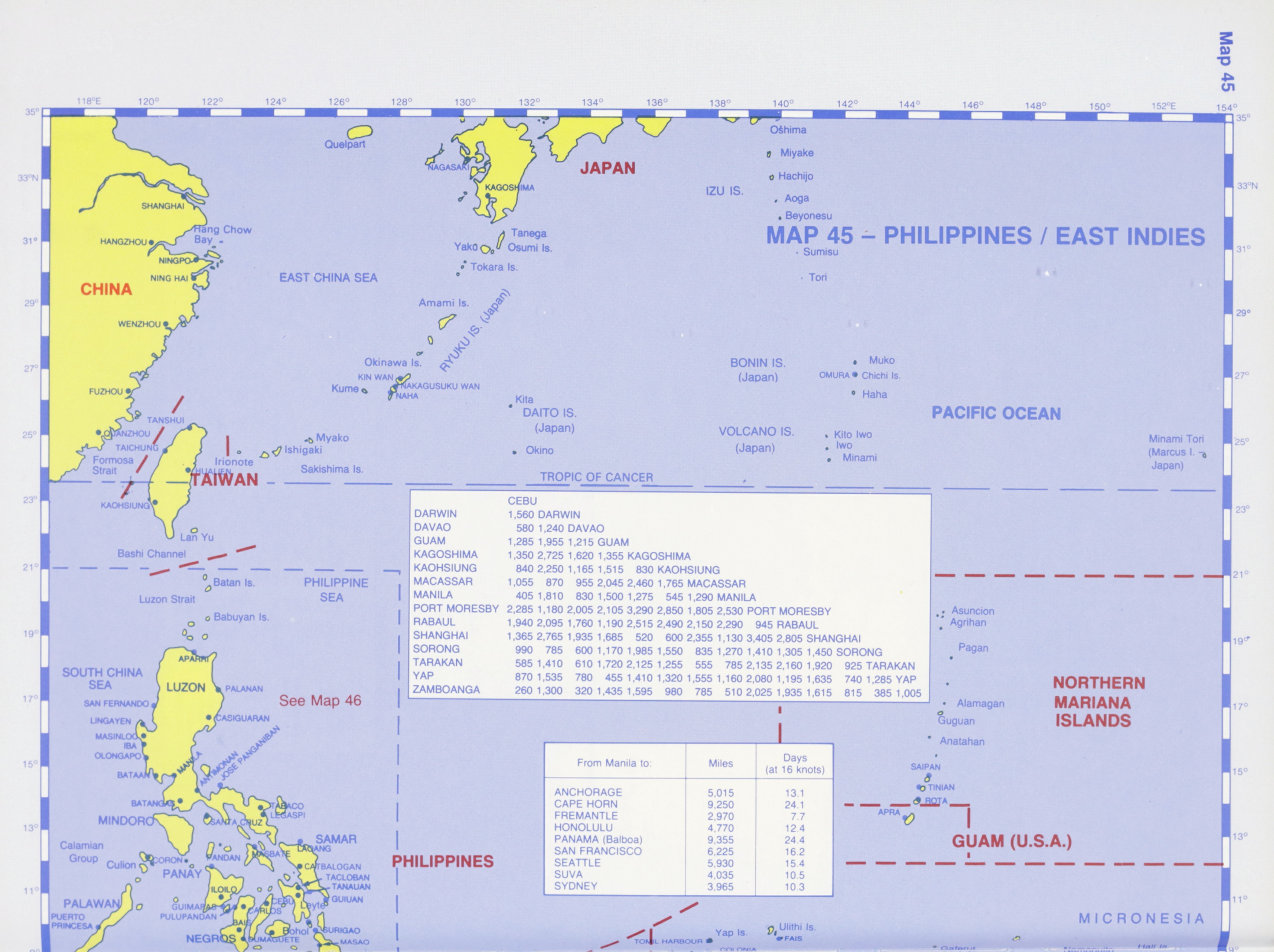

128°30′
129°E
129°30′
130°
130°30′
131°
131°30′
35°N
34°30′
34°
33°30′
33°
32°30′
32°
31°30′
31°N
Koje Is.
S. KOREA
Western Channel
SASUNA
HIDAKATSU
SHISHIMI
Tsushima
IZUHARA
KOREA STRAIT
Eastern Channel
Mino
MASUDA
HAGI
SENZAKI
KOGUSHI
See Map 43
SHIMOGO
TONDA
TOKUYAMA
KUDAMATSU
SHIMONOSEKI
HIBIKINADA
WAKAMATSU
YAWATA
MOJI
KOKURA
TOBATA
ONADA
UBE
NAKANOSEKI
Suo Sea
KANDA
YUKUHASHI
FUKUMA
HAKATA
Iki
Iki Channel
TABUKA
NAKATSU
KITSUKI
HIJI
OITA
TSURUSAKI
BEPPU
USUKI
TSUKUMI
SAIKI
KARATSU
IMARI
MATSUURA
Hirado
AINOURA
SASEBO
SUMINOE
OKAWA
KASHIMA
SAKITO
OMUTA
MIIKE
GOKATA
Goto Is.
FUKUE
TOMIE
NAGASAKI
SHIMABARA
MOGI
MISUMI
KUCHINOTSU
KYUSHU
NOBEOKA
YATSUSHIRO
Amakusa
KOJIRO
HOSOSHIMA
JAPAN
USHIBUKA
MINAMATA
Naga Is.
MIYAZAKI
UCHIUMI
Koshiki Is.
KUSHIKINO
EAST CHINA SEA
KAGOSHIMA
ABURATSU
SHIBUSHI
KIIRE
MAKURAZAKI
Shibushi Bay
YAMAGAWA
Osumi Strait



	HAKATA														
HAMADA	130	HAMADA													
HIMEJI	280	325	HIMEJI												
HIROSHIMA	170	210	155	HIROSHIMA											
KAGOSHIMA	255	365	390	290	KAGOSHIMA										
KASHIMA	675	955	445	585	665	KASHIMA									
KUDAMATSU	110	155	185	65	265	580	KUDAMATSU								
MATSUYAMA	155	195	130	45	270	560	60	MATSUYAMA							
MIIKE	175	280	430	320	180	775	265	305	MIIKE						
MUTSURE	52	95	230	115	285	620	60	100	205	MUTSURE					
NAGASAKI	115	225	375	265	165	755	205	245	75	145	NAGASAKI				
OITA	140	185	195	92	240	565	54	70	295	90	235	OITA			
OSAKA	310	355	45	185	380	435	215	160	465	260	405	225	OSAKA		
SAKAIDE	230	275	53	105	345	495	135	80	380	180	325	145	85	SAKAIDE	
SASEBO	100	205	355	245	190	750	190	230	110	130	50	220	390	305	SASEBO
SHIMIZU	530	575	300	440	520	185	435	415	630	480	615	420	290	340	605 SHIMIZU
SUSAKI	255	300	175	195	255	455	165	175	360	205	345	145	160	215	330 310 SUSAKI
WAKAYAMA	320	365	53	195	350	405	220	170	465	270	440	235	42	94	395 255 130

MAP 44 – SOUTHERN JAPAN AND INLAND SEA

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	CEBU													
DARWIN	1,560	DARWIN												
DAVAO	580	1,240	DAVAO											
GUAM	1,285	1,955	1,215	GUAM										
KAGOSHIMA	1,350	2,725	1,620	1,355	KAGOSHIMA									
KAOHSIUNG	840	2,250	1,165	1,515	830	KAOHSIUNG								
MACASSAR	1,055	870	955	2,045	2,460	1,765	MACASSAR							
MANILA	405	1,810	830	1,500	1,275	545	1,290	MANILA						
PORT MORESBY	2,285	1,180	2,005	2,105	3,290	2,850	1,805	2,530	PORT MORESBY					
RABAUL	1,940	2,095	1,760	1,190	2,515	2,490	2,150	2,290	945	RABAUL				
SHANGHAI	1,365	2,765	1,935	1,685	520	600	2,355	1,130	3,405	2,805	SHANGHAI			
SORONG	990	785	600	1,170	1,985	1,550	835	1,270	1,410	1,305	1,450	SORONG		
TARAKAN	585	1,410	610	1,720	2,125	1,255	555	785	2,135	2,160	1,920	925	TARAKAN	
YAP	870	1,535	780	455	1,410	1,320	1,555	1,160	2,080	1,195	1,635	740	1,285	YAP
ZAMBOANGA	260	1,300	320	1,435	1,595	980	785	510	2,025	1,935	1,615	815	385	1,005

From Manila to:	Miles	Days (at 16 knots)
ANCHORAGE	5,015	13.1
CAPE HORN	9,250	24.1
FREMANTLE	2,970	7.7
HONOLULU	4,770	12.4
PANAMA (Balboa)	9,355	24.4
SAN FRANCISCO	6,225	16.2
SEATTLE	5,930	15.4
SUVA	4,035	10.5
SYDNEY	3,965	10.3



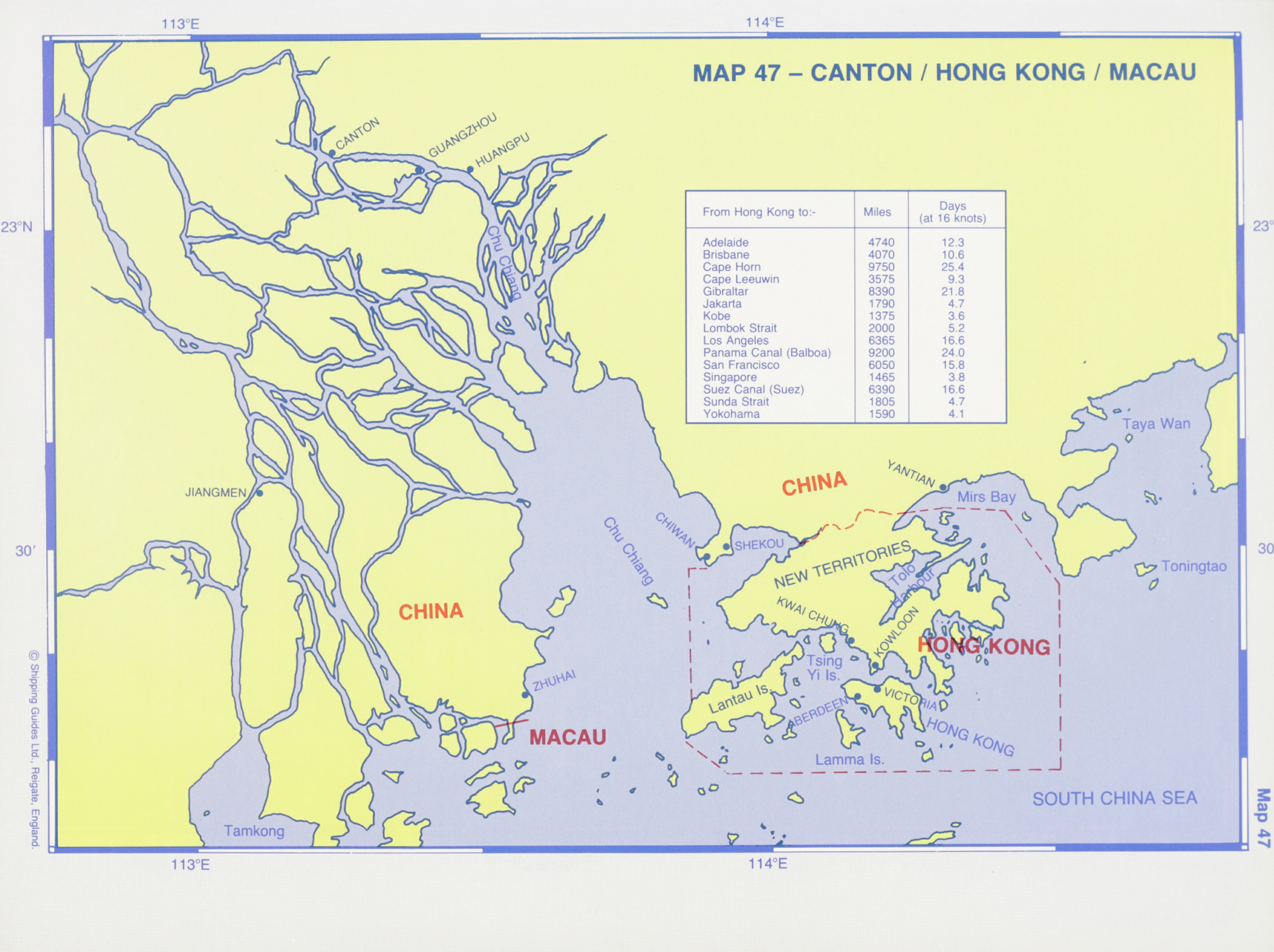
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Map 46



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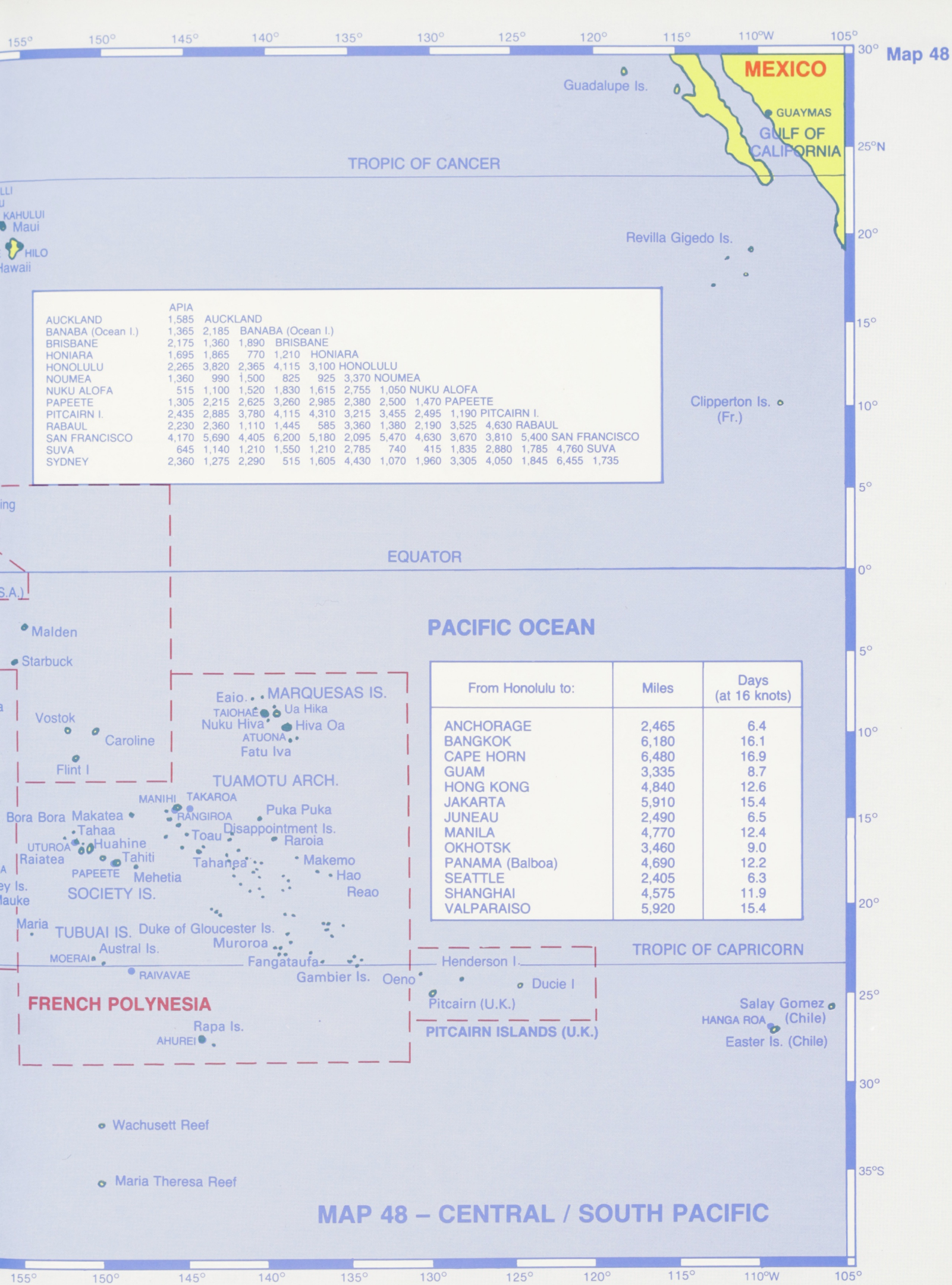
MAP 47 – CANTON / HONG KONG / MACAU



From Hong Kong to:-	Miles	Days (at 16 knots)
Adelaide	4740	12.3
Brisbane	4070	10.6
Cape Horn	9750	25.4
Cape Leeuwin	3575	9.3
Gibraltar	8390	21.8
Jakarta	1790	4.7
Kobe	1375	3.6
Lombok Strait	2000	5.2
Los Angeles	6365	16.6
Panama Canal (Balboa)	9200	24.0
San Francisco	6050	15.8
Singapore	1465	3.8
Suez Canal (Suez)	6390	16.6
Sunda Strait	1805	4.7
Yokohama	1590	4.1

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150°
155°E
160°
165°
170°
175°E
180°
175°W
170°
165°
160°
30°
25° N
20°
15°
10°
5°
0°
5°
10°
15°
20°
25°
30°
35°S
Midway Is. (U.S.A.)
Pearl & Hermes Reef
Lisianski
Laysan
Minami Tori Shima
(Marcus I. – Japan)
Tern I.
French Frigate Shoal
HAWAII
(U.S.A.)
Kauai
PORT ALLEN
HONOLULU
NORTHERN
MARIANA
ISLANDS
Wake Is. (U.S.A.)
MARSHALL ISLANDS
INTERNATIONAL DATE LINE
Johnston Is. (U.S.A.)
Taongi
MARSHALL IS.
FEDERATED
STATES OF
MICRONESIA
ENIWETOK
Bikini
Bikar
Utirik
Wotje
TAROA
Maloelap
Aur.
Wotho.
Minto Reef
Ujelang I.
Oroluk
Hall Is.
KWAJALEIN
Arno.
Senyavin Is.
Pingalep
PONAPE
NAMORIK
Mili
Palmyra I. (U.S.A.)
Truk Is.
Mokil
Namoluk Is.
Ngatik
LELE
Kusaie
Jaluit
Nomoi Is.
CAROLINE IS.
Ebon.
Butaritari
Washington I
ENGLISH HARBOUR
Nukuoro Is.
Nukoro
GILBERT IS.
Marakai
TARAWA
Abalang
Abemama
Howland (U.S.A.)
Baker (U.S.A.)
Kapingamarangi Is.
NAURU
Aranuka
BANABA
Beru
Nukunau
Arorae
(Ocean Is.)
KIRIBATI
New Ireland
KAVIENG
PAPUA
NEW GUINEA
PHOENIX IS.
McKean
Canton
Enderbury
Birnie
Phoenix
Gardner
Sydney
Hull
Nissan
Bupa
RABAUL
Bougainville
SOLOMON
ISLANDS
KIETA
CHOISEUL BAY
SHORTLAND
Santa Isobel
BLANCHE
ALLARDYCE
RINGI COVE
GIZO
Malaita
VIRU
HONIARA
YANDINA
Ndeke
Santa Cruz
Islands
Guadalcanal
KIRA KIRA
GRACIOSA BAY
SAMARAI
San Cristobal
PEU
Rossel
Tagula
Rennell
Nanumea
Niutao Is.
Nanumanga Is.
Niu Is.
TOKELAU ISLANDS (N.Z.)
FUNAFUTI
TUVALU
Atafu
Nukunono
Fakaofo
Rakahanga
Tongareva
Niukalita
Danger
Manihiki
WESTERN
SAMOA
Swains Is.
Nassau
Wallis
Rotuma Is.
SAMOA (U.S.A.)
Savaii
APIA
PAGO PAGO
Suvorov
WALLIS & FUTUNA (Fr.)
Iles de Horne
Futuna
Uvolu
Manua Is.
Torres Is.
Banks
Espiritu Santo
Maewo
Pentecost
SANTO
Ambryn
Malekula
PT. SANDWICH
VANUATU
(New Hebrides)
FIJI
LAMBASA
Vanua
Niu Fo'ou Is.
Tutuila
Niapotapu
LAUTOKA
SAVU SAVU
NANDI
LEVUKA
Vava'u Gp.
NIUE ISLANDS (N.Z.)
VILA
Efate Is.
Viti
SUVA
Lau
NEIAFU
ALOFI
Aitutaki
CORAL SEA
Eromanga
Tana
Kotu
PANGAI
Uvea
Kandavu
Aneityum
Nomuka
Ha'apai Gp.
AVARUA
Rarotonga
BABOUILLAT
BAIE UGUE
Lifu
Ono-i-lau
NUKU ALOFA
Eua
Mangaia
Loyalty Is.
THIO
Mare
Matthew
Hunter
Ata
NOUMEA
Kuto
Walpole
TONGA
COOK ISLANDS (N.Z.)
NEW CALEDONIA (Fr.)
ROCKHAMPTON
AUSTRALIA
BRISBANE
Norfolk I.
KINGSTON
Philip I. (Aust).
Raoul
Macauley
Curtis
KERMADEC IS. (N.Z.)
L'Esperance Rock
Lord Howe I. (Aust.)
SYDNEY
North Cape
NEW ZEALAND
AUCKLAND
WHAKATANE

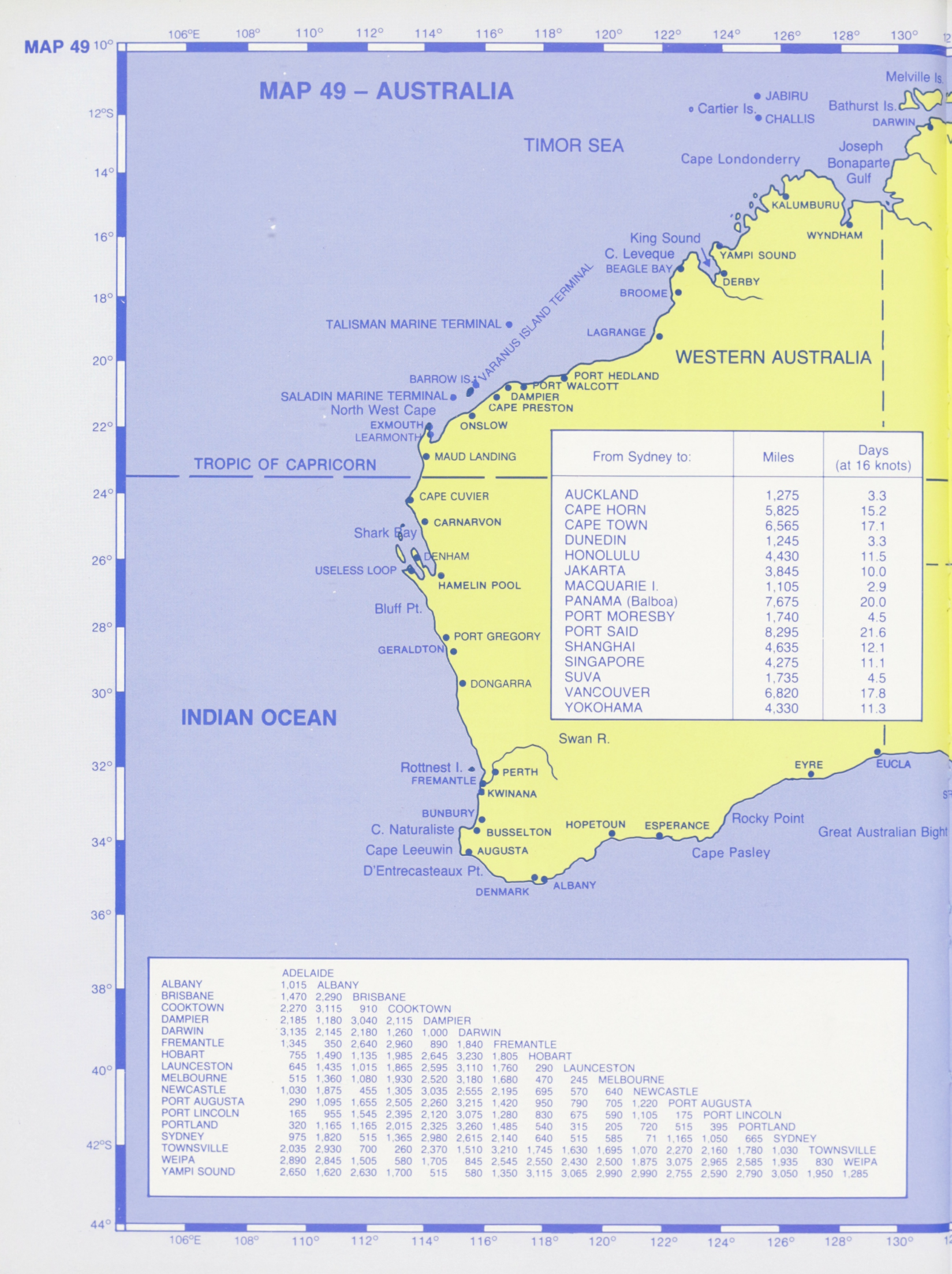


	APIA	AUCKLAND	BANABA (Ocean I.)	BRISBANE	HONIARA	HONOLULU	NOUMEA	NUKU ALOFA	PAPEETE	PITCAIRN I.	RABAUL	SAN FRANCISCO	SUVA
AUCKLAND	1,585												
BANABA (Ocean I.)	1,365	2,185											
BRISBANE	2,175	1,360	1,890										
HONIARA	1,695	1,865	770	1,210									
HONOLULU	2,265	3,820	2,365	4,115	3,100								
NOUMEA	1,360	990	1,500	825	925	3,370							
NUKU ALOFA	515	1,100	1,520	1,830	1,615	2,755	1,050						
PAPEETE	1,305	2,215	2,625	3,260	2,985	2,380	2,500	1,470					
PITCAIRN I.	2,435	2,885	3,780	4,115	4,310	3,215	3,455	2,495	1,190				
RABAUL	2,230	2,360	1,110	1,445	585	3,360	1,380	2,190	3,525	4,630			
SAN FRANCISCO	4,170	5,690	4,405	6,200	5,180	2,095	5,470	4,630	3,670	3,810	5,400		
SUVA	645	1,140	1,210	1,550	1,210	2,785	740	415	1,835	2,880	1,785	4,760	
SYDNEY	2,360	1,275	2,290	515	1,605	4,430	1,070	1,960	3,305	4,050	1,845	6,455	1,735

From Honolulu to:	Miles	Days (at 16 knots)
ANCHORAGE	2,465	6.4
BANGKOK	6,180	16.1
CAPE HORN	6,480	16.9
GUAM	3,335	8.7
HONG KONG	4,840	12.6
JAKARTA	5,910	15.4
JUNEAU	2,490	6.5
MANILA	4,770	12.4
OKHOTSK	3,460	9.0
PANAMA (Balboa)	4,690	12.2
SEATTLE	2,405	6.3
SHANGHAI	4,575	11.9
VALPARAISO	5,920	15.4

MAP 48 – CENTRAL / SOUTH PACIFIC

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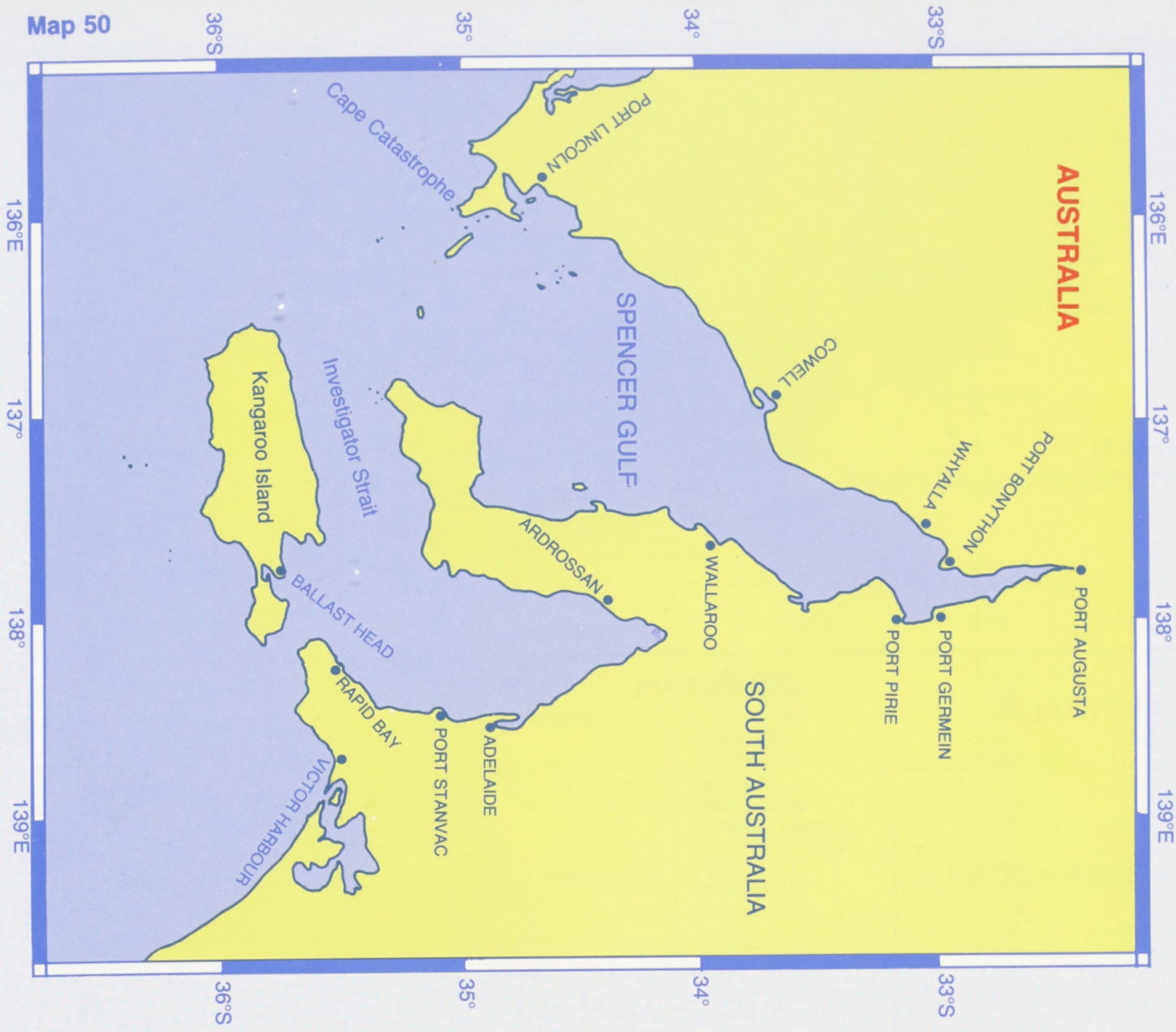
From Sydney to:	Miles	Days (at 16 knots)
AUCKLAND	1,275	3.3
CAPE HORN	5,825	15.2
CAPE TOWN	6,565	17.1
DUNEDIN	1,245	3.3
HONOLULU	4,430	11.5
JAKARTA	3,845	10.0
MACQUARIE I.	1,105	2.9
PANAMA (Balboa)	7,675	20.0
PORT MORESBY	1,740	4.5
PORT SAID	8,295	21.6
SHANGHAI	4,635	12.1
SINGAPORE	4,275	11.1
SUVA	1,735	4.5
VANCOUVER	6,820	17.8
YOKOHAMA	4,330	11.3

	ADELAIDE																
ALBANY	1,015	ALBANY															
BRISBANE	1,470	2,290	BRISBANE														
COOKTOWN	2,270	3,115	910	COOKTOWN													
DAMPIER	2,185	1,180	3,040	2,115	DAMPIER												
DARWIN	3,135	2,145	2,180	1,260	1,000	DARWIN											
FREMANTLE	1,345	350	2,640	2,960	890	1,840	FREMANTLE										
HOBART	755	1,490	1,135	1,985	2,645	3,230	1,805	HOBART									
LAUNCESTON	645	1,435	1,015	1,865	2,595	3,110	1,760	290	LAUNCESTON								
MELBOURNE	515	1,360	1,080	1,930	2,520	3,180	1,680	470	245	MELBOURNE							
NEWCASTLE	1,030	1,875	455	1,305	3,035	2;555	2,195	695	570	640	NEWCASTLE						
PORT AUGUSTA	290	1,095	1,655	2,505	2,260	3,215	1,420	950	790	705	1,220	PORT AUGUSTA					
PORT LINCOLN	165	955	1,545	2,395	2,120	3,075	1,280	830	675	590	1,105	175	PORT LINCOLN				
PORTLAND	320	1,165	1,165	2,015	2,325	3,260	1,485	540	315	205	720	515	395	PORTLAND			
SYDNEY	975	1,820	515	1,365	2,980	2,615	2,140	640	515	585	71	1,165	1,050	665	SYDNEY		
TOWNSVILLE	2,035	2,930	700	260	2,370	1,510	3,210	1,745	1,630	1,695	1,070	2,270	2,160	1,780	1,030	TOWNSVILLE	
WEIPA	2,890	2,845	1,505	580	1,705	845	2,545	2,550	2,430	2,500	1,875	3,075	2,965	2,585	1,935	830	WEIPA
YAMPI SOUND	2,650	1,620	2,630	1,700	515	580	1,350	3,115	3,065	2,990	2,990	2,755	2,590	2,790	3,050	1,950	1,285

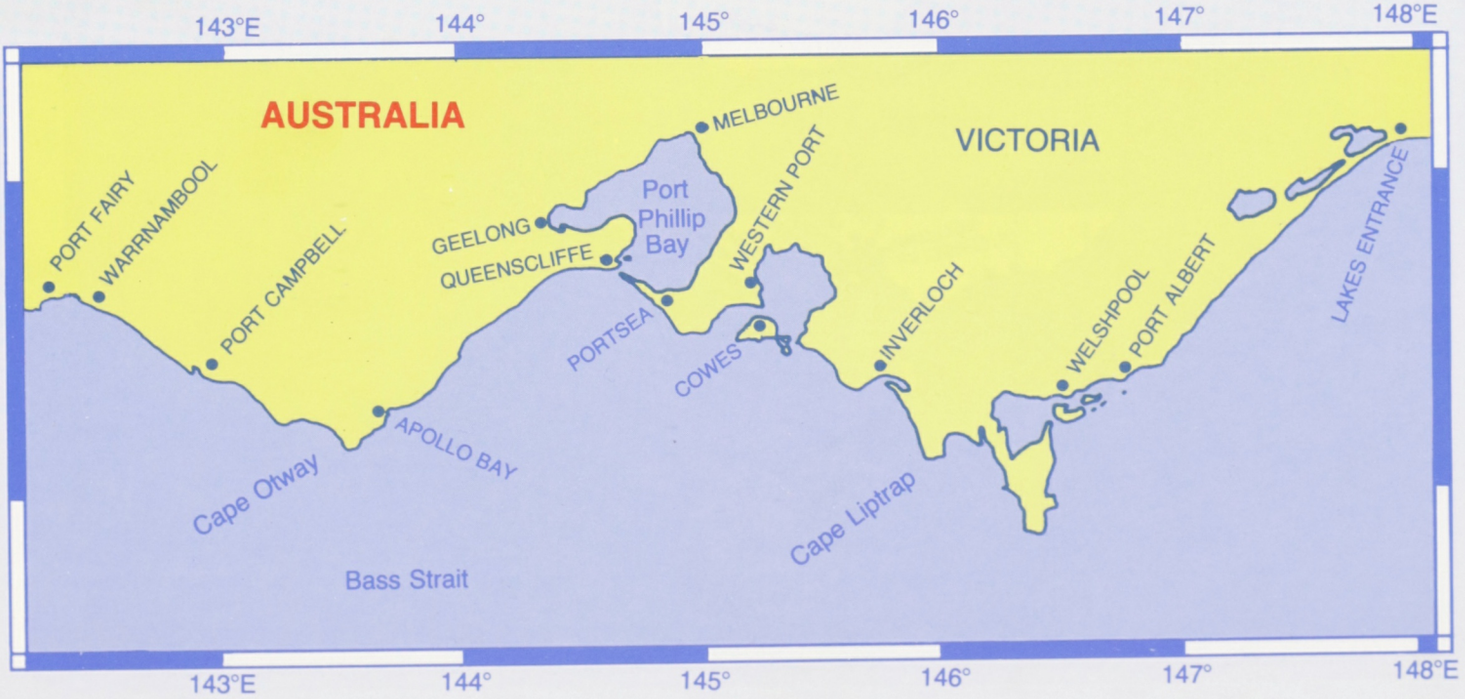


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Map 50



MAP 50 – MELBOURNE AND SPENCER GULF



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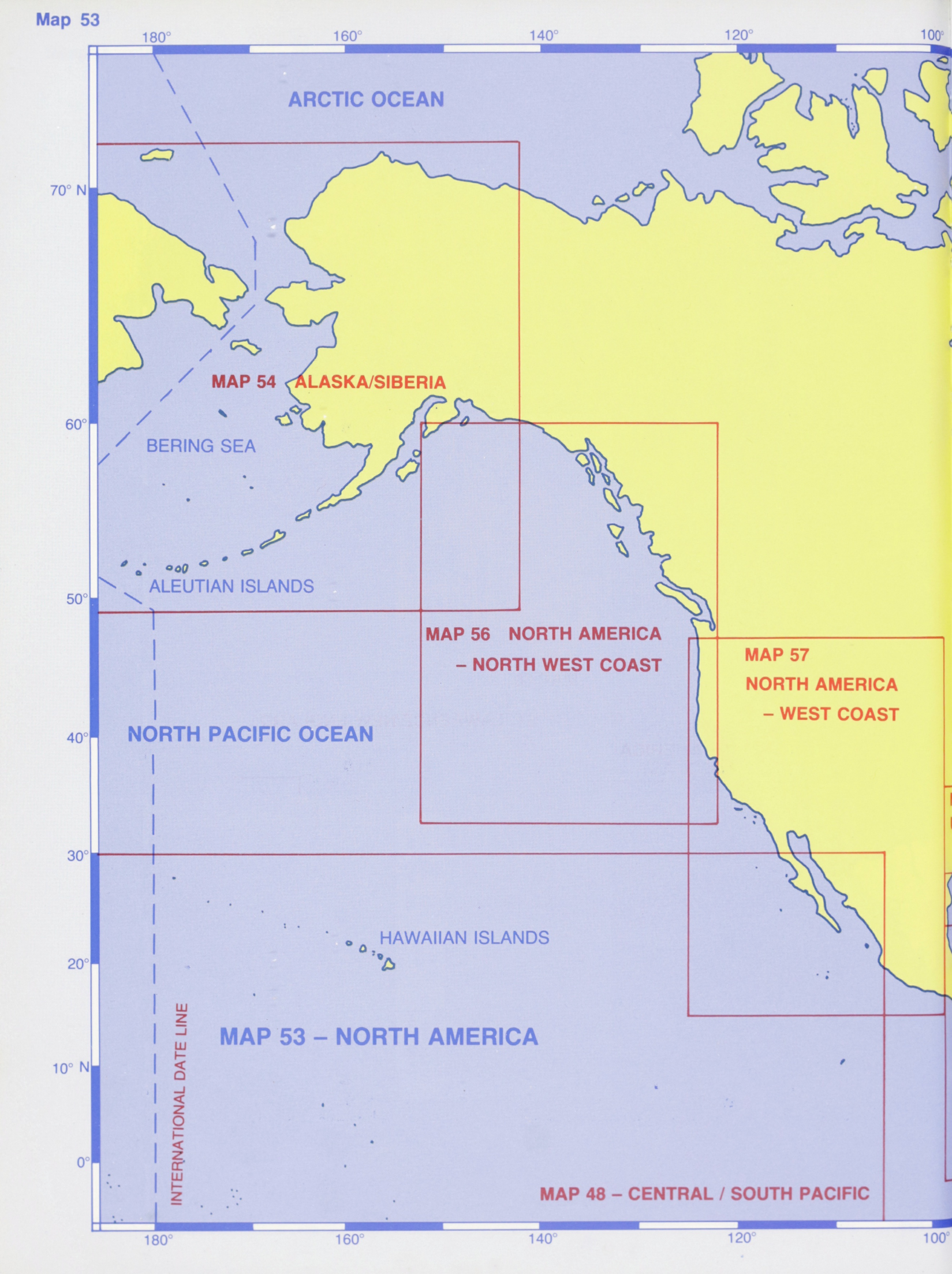
MAP 52 – NEW ZEALAND

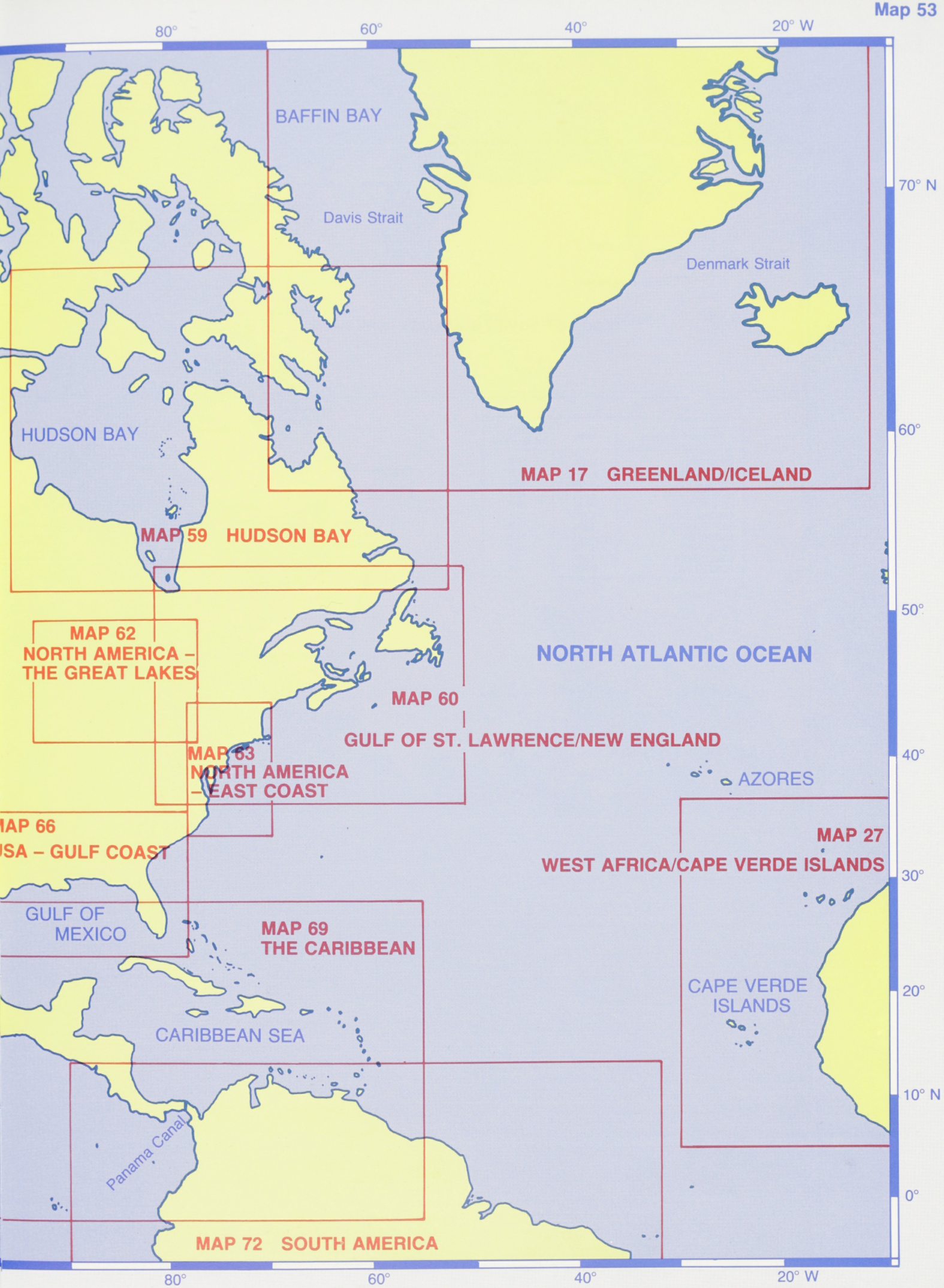
From Wellington to:	Miles	Days (at 16 knots)
CAPE HORN	4,605	12.0
CAPE TOWN	7,470	19.5
COLOMBO	6,065	15.8
HOBART	1,295	3.4
HONOLULU	4,115	10.7
MACQUARIE I.	455	1.2
PANAMA (Balboa)	6,495	16.9
SAN FRANCISCO	5,910	15.4
SYDNEY	1,235	3.2
VANCOUVER	6,455	16.8



	AUCKLAND											
BLUFF	960	BLUFF										
DUNEDIN	850	150	DUNEDIN									
GISBORNE	295	675	560	GISBORNE								
LYTTELTON	685	315	200	390	LYTTLETON							
MOUNT MAUNGANUI	130	875	760	200	595	MOUNT MAUNGANUI						
NAPIER	380	620	510	87	335	290	NAPIER					
NELSON	635	525	405	380	250	585	295	NELSON				
NEW PLYMOUTH	510	590	490	435	335	590	385	130	NEW PLYMOUTH			
PICTON	605	465	345	295	190	510	220	105	150	PICTON		
TIMARU	775	240	100	480	130	665	425	370	390	300	TIMARU	
WANGANUI	605	520	420	365	265	515	310	115	105	98	325	WANGANUI
WELLINGTON	560	460	345	275	175	430	220	125	180	58	265	110
WHANGAREI	83	980	865	315	705	165	395	595	465	615	790	555

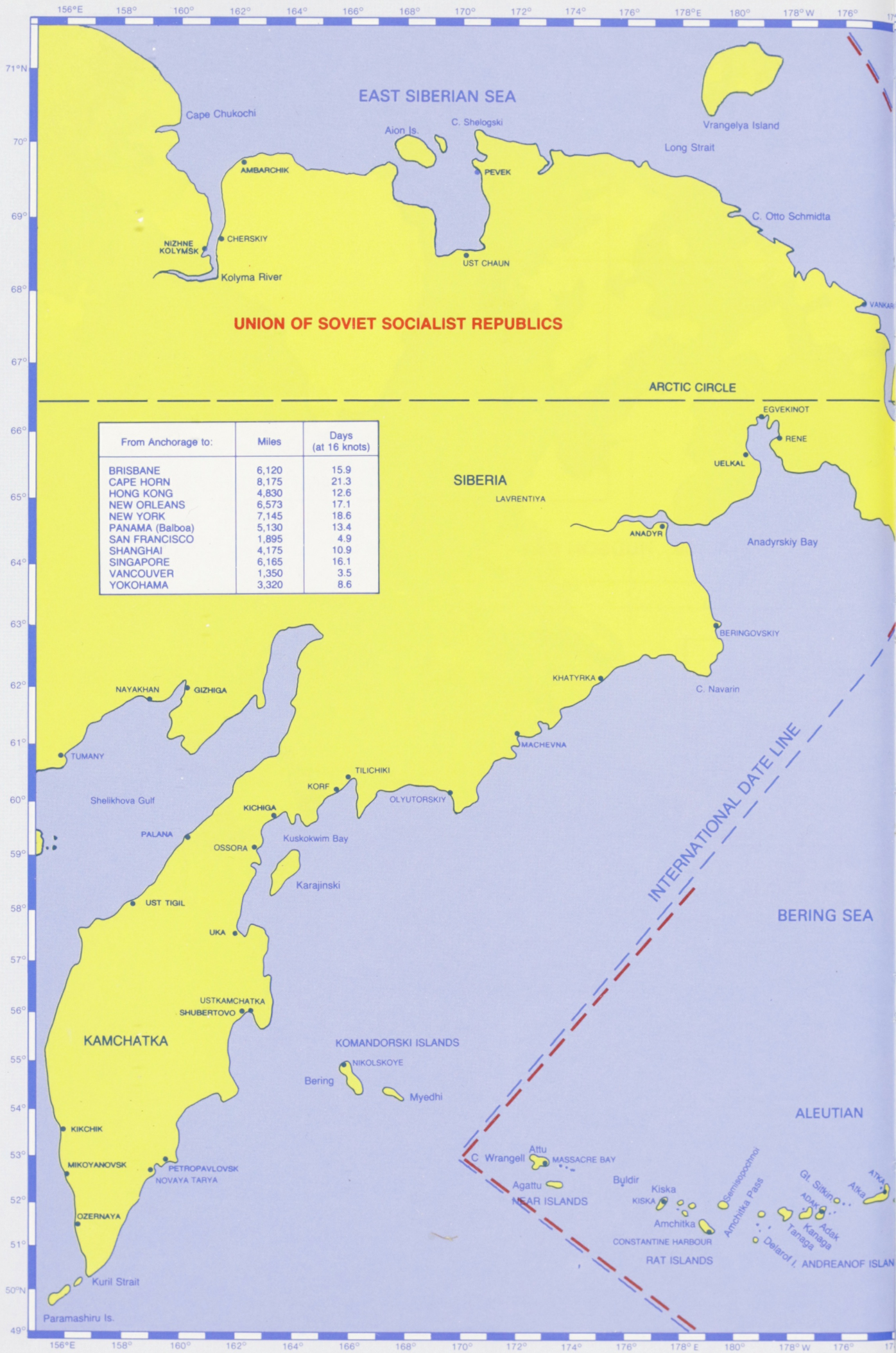
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Map 53
180°
160°
140°
120°
100°
ARCTIC OCEAN
70° N
MAP 54 ALASKA/SIBERIA
60°
BERING SEA
ALEUTIAN ISLANDS
50°
MAP 56 NORTH AMERICA
– NORTH WEST COAST
MAP 57
NORTH AMERICA
– WEST COAST
NORTH PACIFIC OCEAN
40°
30°
HAWAIIAN ISLANDS
20°
INTERNATIONAL DATE LINE
MAP 53 – NORTH AMERICA
10° N
0°
MAP 48 – CENTRAL / SOUTH PACIFIC
180°
160°
140°
120°
100°



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Map 54

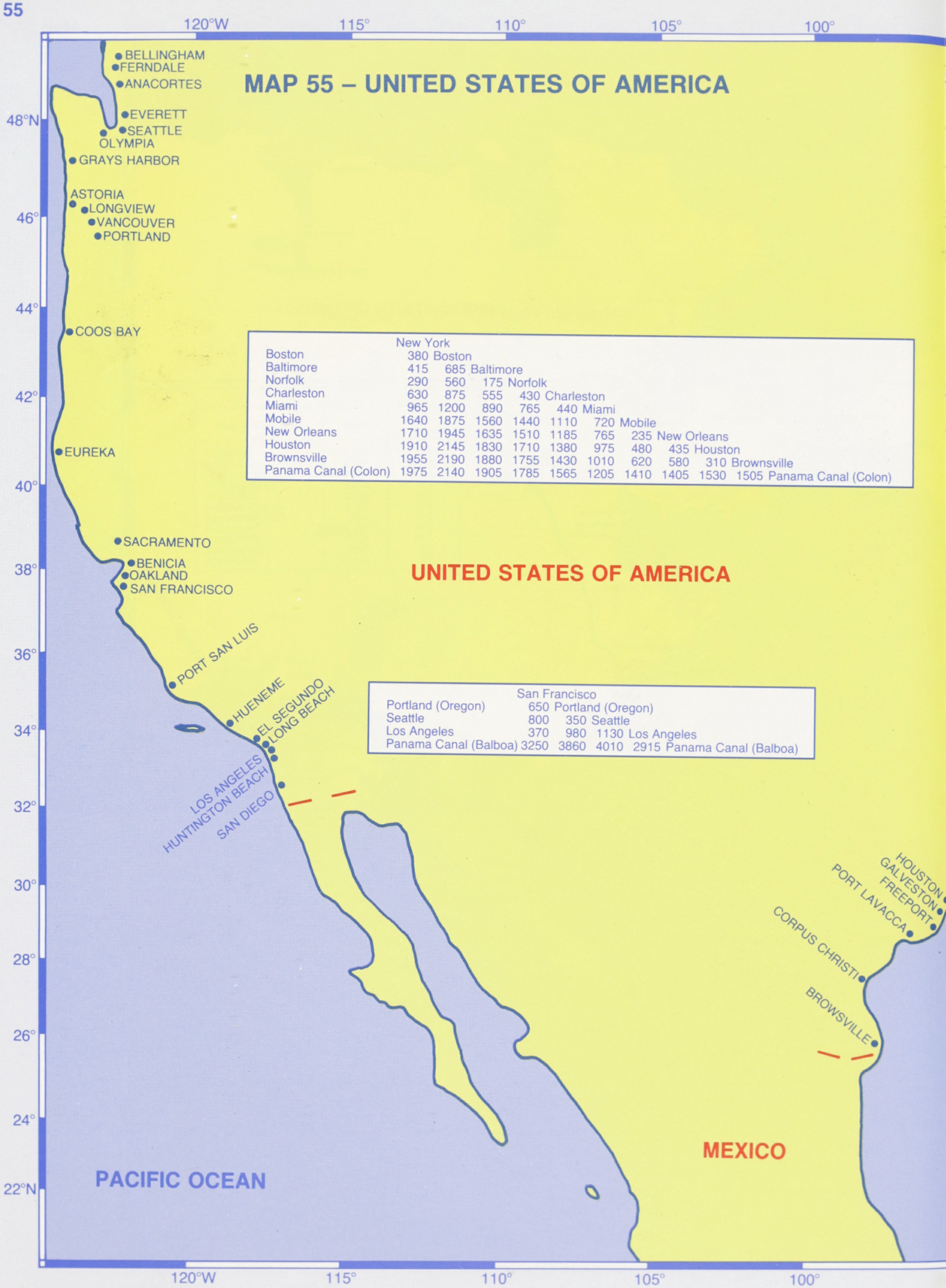


From Anchorage to:	Miles	Days (at 16 knots)
BRISBANE	6,120	15.9
CAPE HORN	8,175	21.3
HONG KONG	4,830	12.6
NEW ORLEANS	6,573	17.1
NEW YORK	7,145	18.6
PANAMA (Balboa)	5,130	13.4
SAN FRANCISCO	1,895	4.9
SHANGHAI	4,175	10.9
SINGAPORE	6,165	16.1
VANCOUVER	1,350	3.5
YOKOHAMA	3,320	8.6



MAP 54 – ALASKA / SIBERIA

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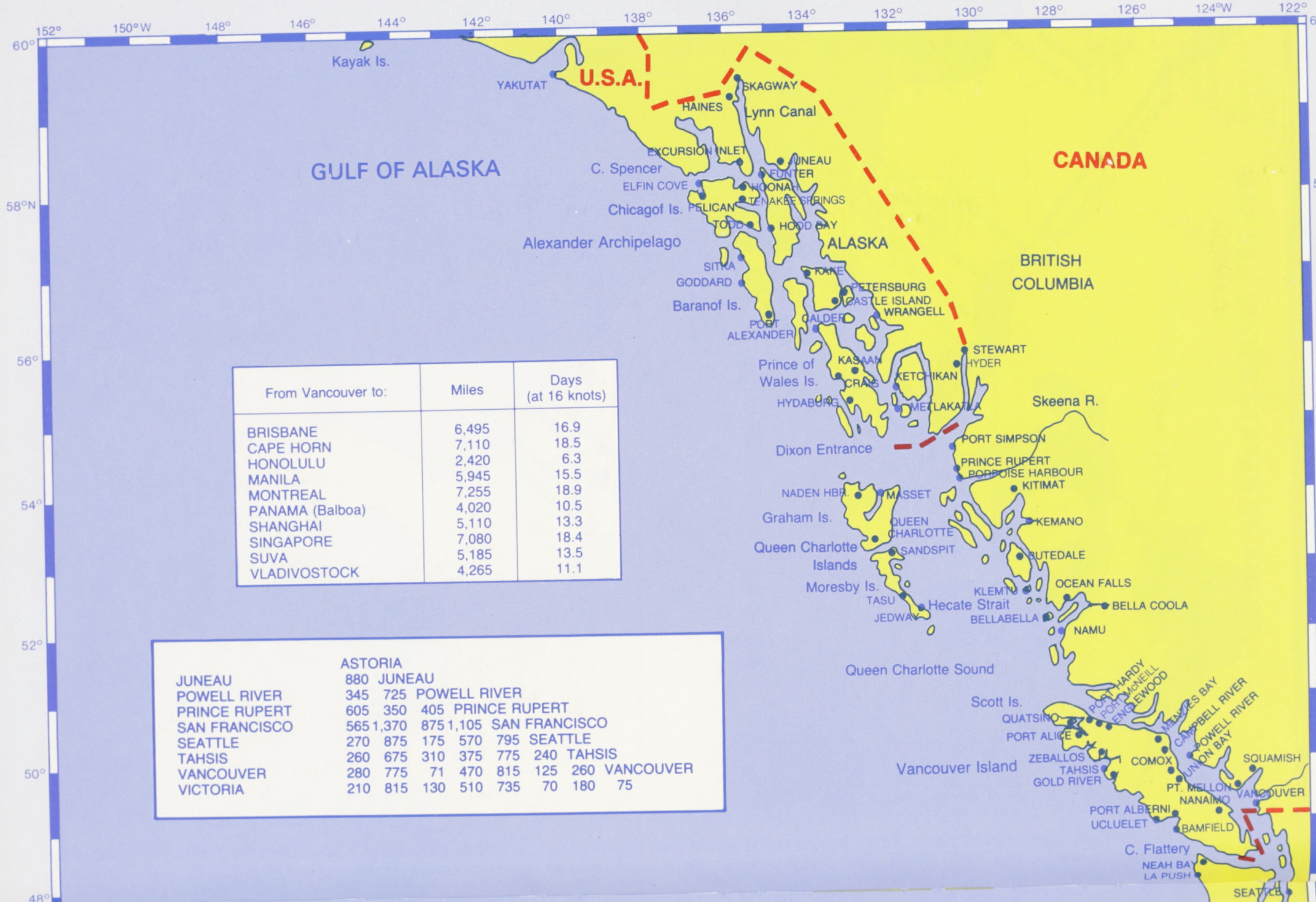


	New York									
Boston	380	Boston								
Baltimore	415	685	Baltimore							
Norfolk	290	560	175	Norfolk						
Charleston	630	875	555	430	Charleston					
Miami	965	1200	890	765	440	Miami				
Mobile	1640	1875	1560	1440	1110	720	Mobile			
New Orleans	1710	1945	1635	1510	1185	765	235	New Orleans		
Houston	1910	2145	1830	1710	1380	975	480	435	Houston	
Brownsville	1955	2190	1880	1755	1430	1010	620	580	310	Brownsville
Panama Canal (Colon)	1975	2140	1905	1785	1565	1205	1410	1405	1530	1505 Panama Canal (Colon)

	San Francisco				
Portland (Oregon)	650	Portland (Oregon)			
Seattle	800	350	Seattle		
Los Angeles	370	980	1130	Los Angeles	
Panama Canal (Balboa)	3250	3860	4010	2915	Panama Canal (Balboa)



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From Vancouver to:	Miles	Days (at 16 knots)
BRISBANE	6,495	16.9
CAPE HORN	7,110	18.5
HONOLULU	2,420	6.3
MANILA	5,945	15.5
MONTREAL	7,255	18.9
PANAMA (Balboa)	4,020	10.5
SHANGHAI	5,110	13.3
SINGAPORE	7,080	18.4
SUVA	5,185	13.5
VLADIVOSTOCK	4,265	11.1

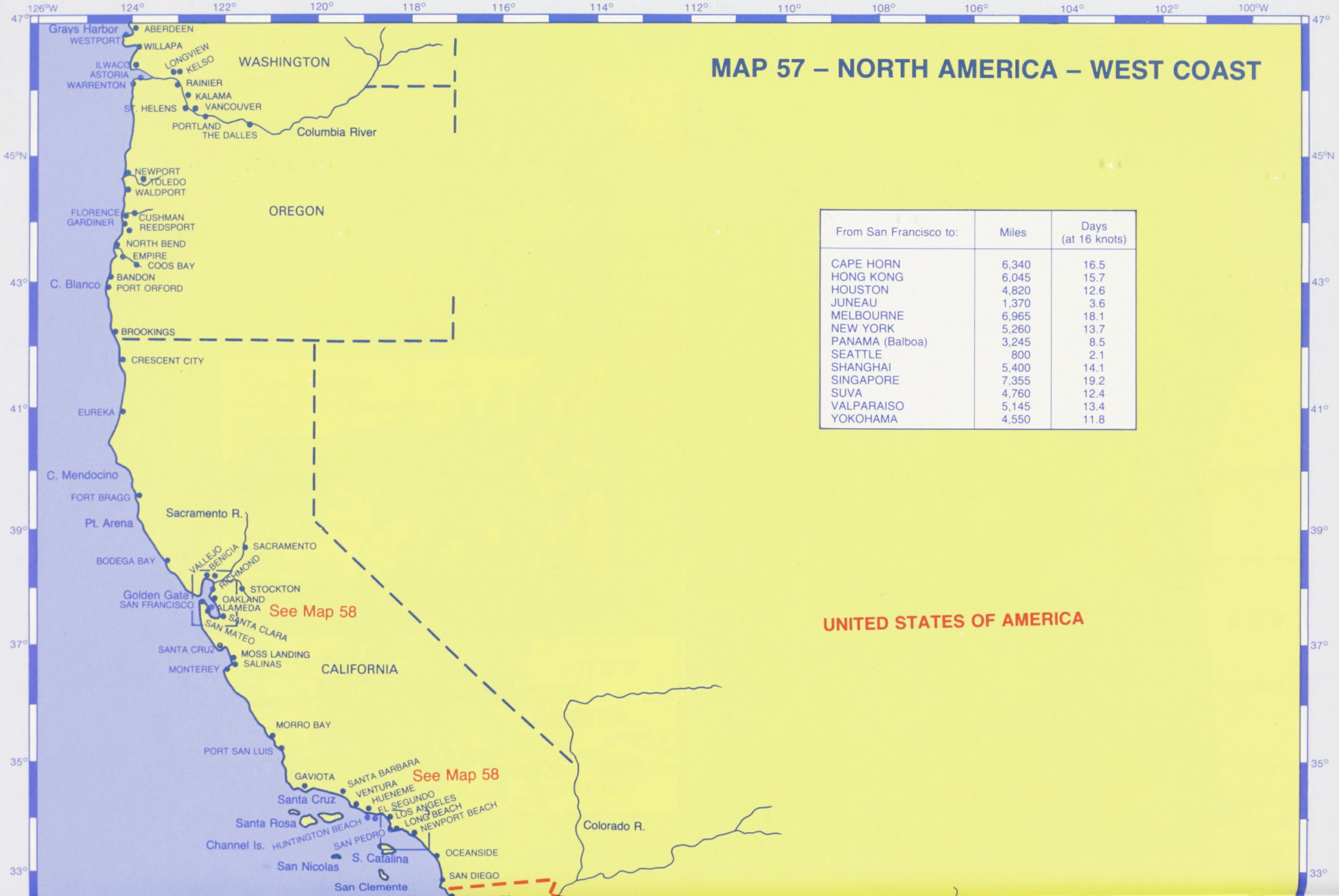
	ASTORIA							
JUNEAU	880	JUNEAU						
POWELL RIVER	345	725	POWELL RIVER					
PRINCE RUPERT	605	350	405	PRINCE RUPERT				
SAN FRANCISCO	565	1,370	875	1,105	SAN FRANCISCO			
SEATTLE	270	875	175	570	795	SEATTLE		
TAHSIS	260	675	310	375	775	240	TAHSIS	
VANCOUVER	280	775	71	470	815	125	260	VANCOUVER
VICTORIA	210	815	130	510	735	70	180	75



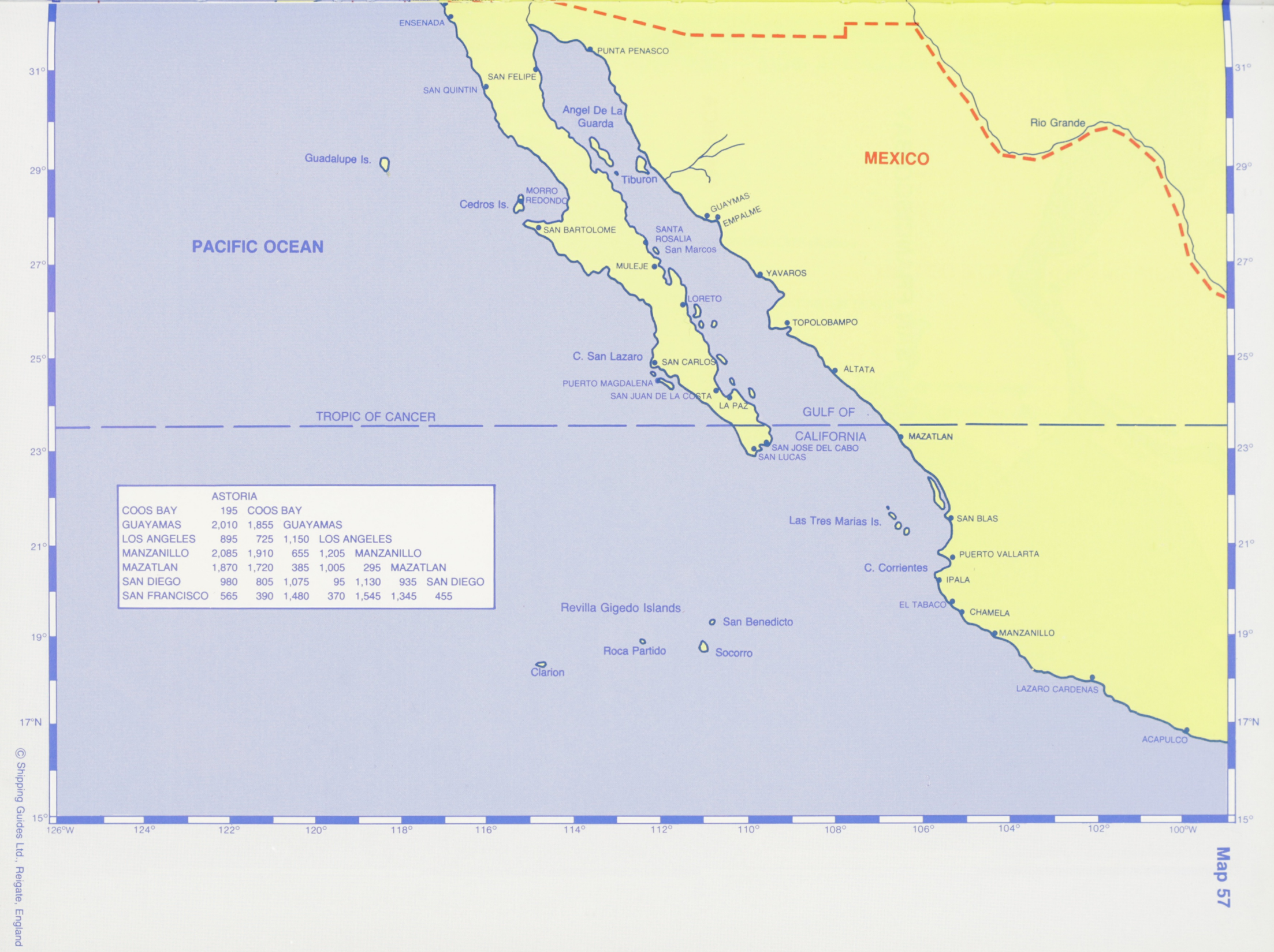
MAP 56 – NORTH AMERICA – NORTH WEST COAST

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MAP 57 – NORTH AMERICA – WEST COAST



From San Francisco to:	Miles	Days (at 16 knots)
CAPE HORN	6,340	16.5
HONG KONG	6,045	15.7
HOUSTON	4,820	12.6
JUNEAU	1,370	3.6
MELBOURNE	6,965	18.1
NEW YORK	5,260	13.7
PANAMA (Balboa)	3,245	8.5
SEATTLE	800	2.1
SHANGHAI	5,400	14.1
SINGAPORE	7,355	19.2
SUVA	4,760	12.4
VALPARAISO	5,145	13.4
YOKOHAMA	4,550	11.8



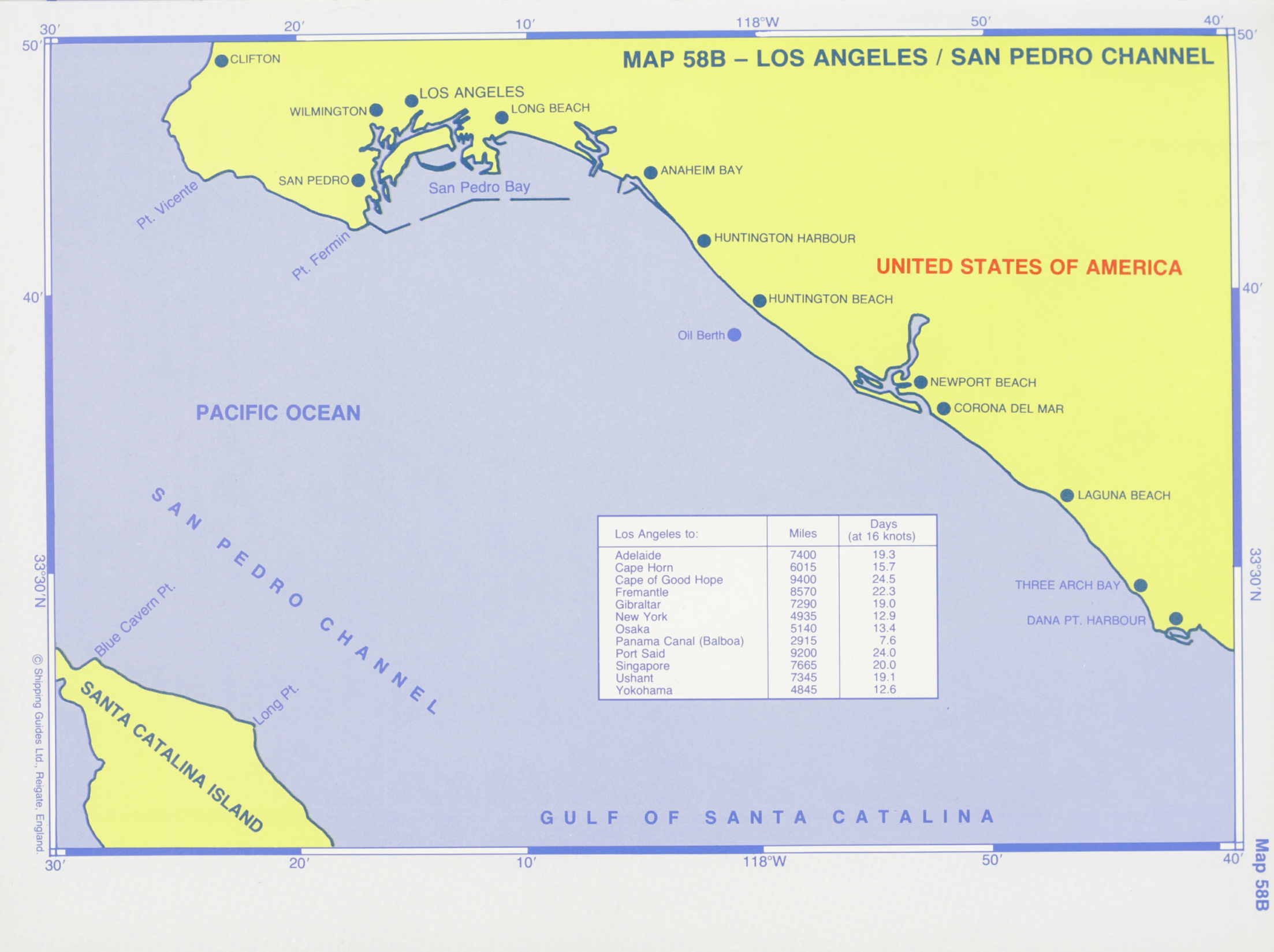
	ASTORIA						
COOS BAY	195	COOS BAY					
GUAYAMAS	2,010	1,855	GUAYAMAS				
LOS ANGELES	895	725	1,150	LOS ANGELES			
MANZANILLO	2,085	1,910	655	1,205	MANZANILLO		
MAZATLAN	1,870	1,720	385	1,005	295	MAZATLAN	
SAN DIEGO	980	805	1,075	95	1,130	935	SAN DIEGO
SAN FRANCISCO	565	390	1,480	370	1,545	1,345	455

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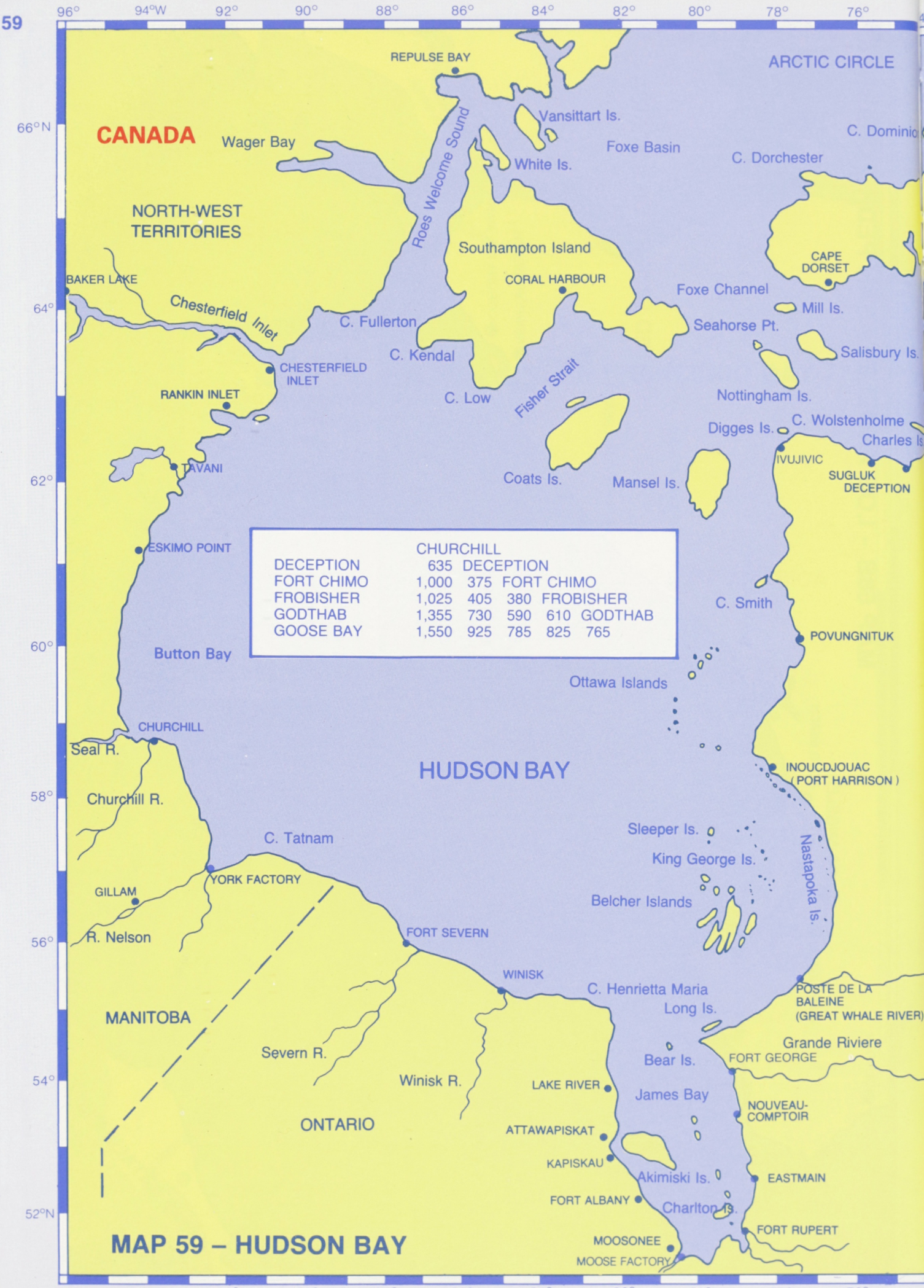
Map 58A



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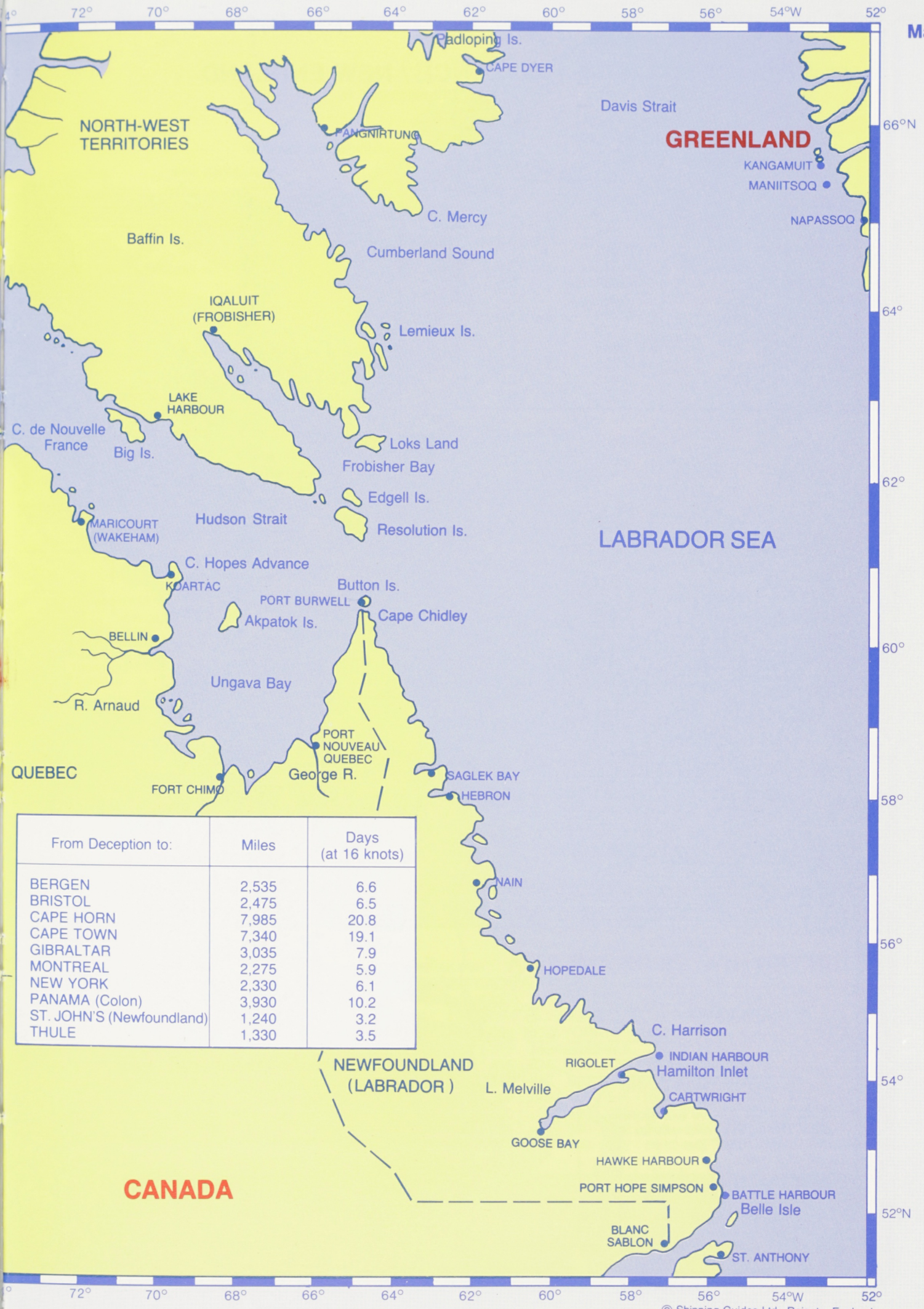


Los Angeles to:	Miles	Days (at 16 knots)
Adelaide	7400	19.3
Cape Horn	6015	15.7
Cape of Good Hope	9400	24.5
Fremantle	8570	22.3
Gibraltar	7290	19.0
New York	4935	12.9
Osaka	5140	13.4
Panama Canal (Balboa)	2915	7.6
Port Said	9200	24.0
Singapore	7665	20.0
Ushant	7345	19.1
Yokohama	4845	12.6



	CHURCHILL				
DECEPTION	635	DECEPTION			
FORT CHIMO	1,000	375	FORT CHIMO		
FROBISHER	1,025	405	380	FROBISHER	
GODTHAB	1,355	730	590	610	GODTHAB
GOOSE BAY	1,550	925	785	825	765

MAP 59 – HUDSON BAY

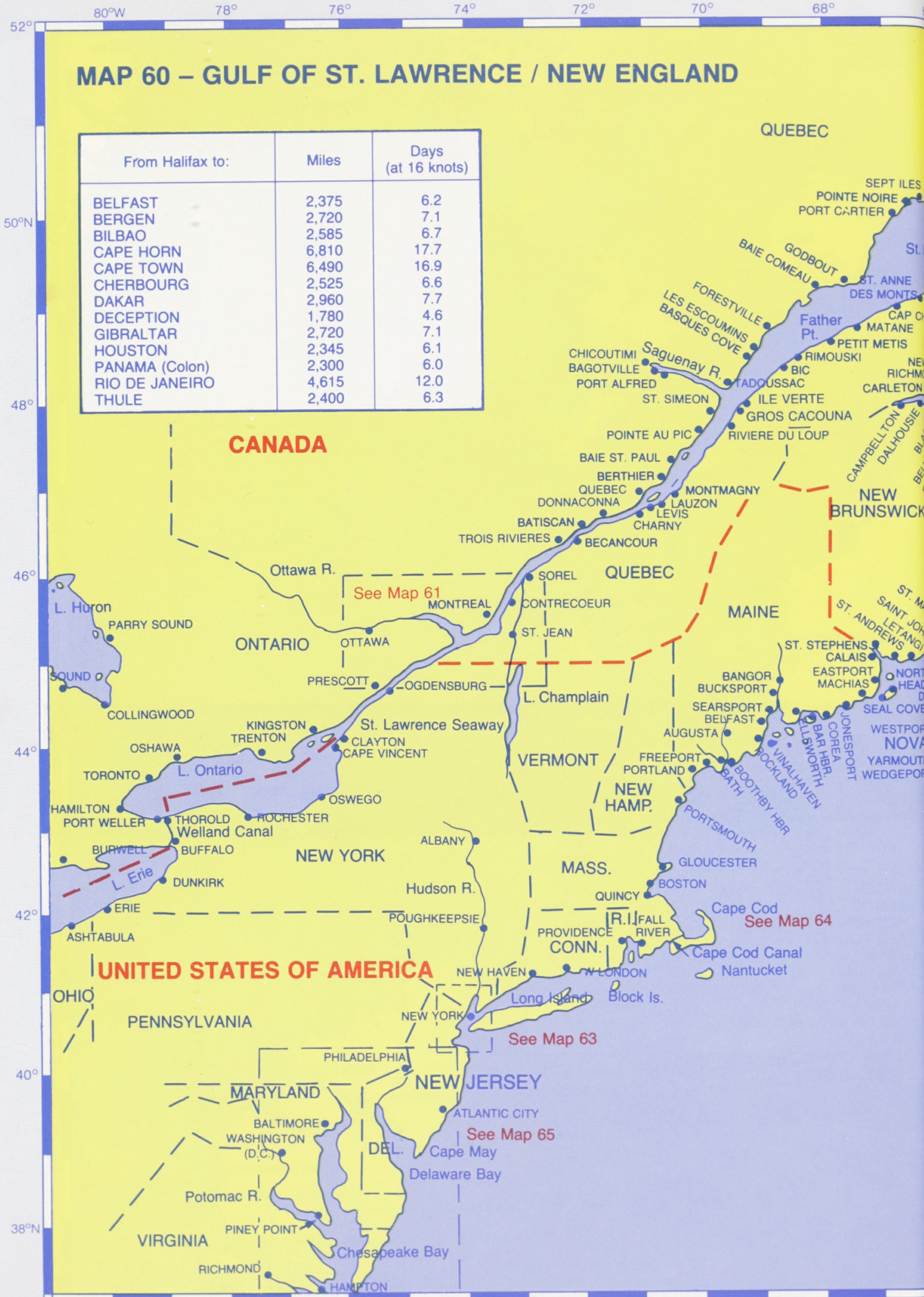


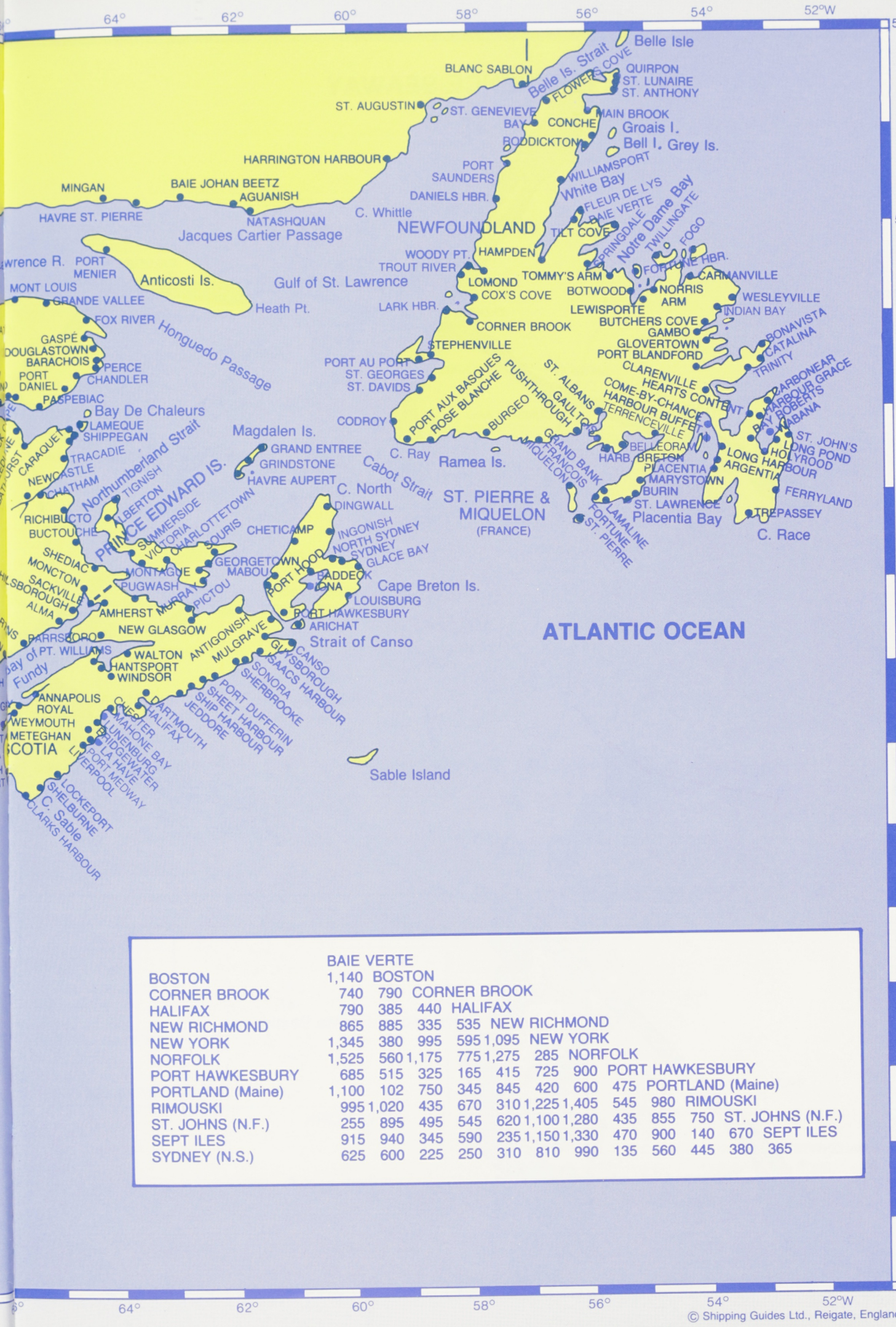
From Deception to:	Miles	Days (at 16 knots)
BERGEN	2,535	6.6
BRISTOL	2,475	6.5
CAPE HORN	7,985	20.8
CAPE TOWN	7,340	19.1
GIBRALTAR	3,035	7.9
MONTREAL	2,275	5.9
NEW YORK	2,330	6.1
PANAMA (Colon)	3,930	10.2
ST. JOHN'S (Newfoundland)	1,240	3.2
THULE	1,330	3.5

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MAP 60 – GULF OF ST. LAWRENCE / NEW ENGLAND

From Halifax to:	Miles	Days (at 16 knots)
BELFAST	2,375	6.2
BERGEN	2,720	7.1
BILBAO	2,585	6.7
CAPE HORN	6,810	17.7
CAPE TOWN	6,490	16.9
CHERBOURG	2,525	6.6
DAKAR	2,960	7.7
DECEPTION	1,780	4.6
GIBRALTAR	2,720	7.1
HOUSTON	2,345	6.1
PANAMA (Colon)	2,300	6.0
RIO DE JANEIRO	4,615	12.0
THULE	2,400	6.3

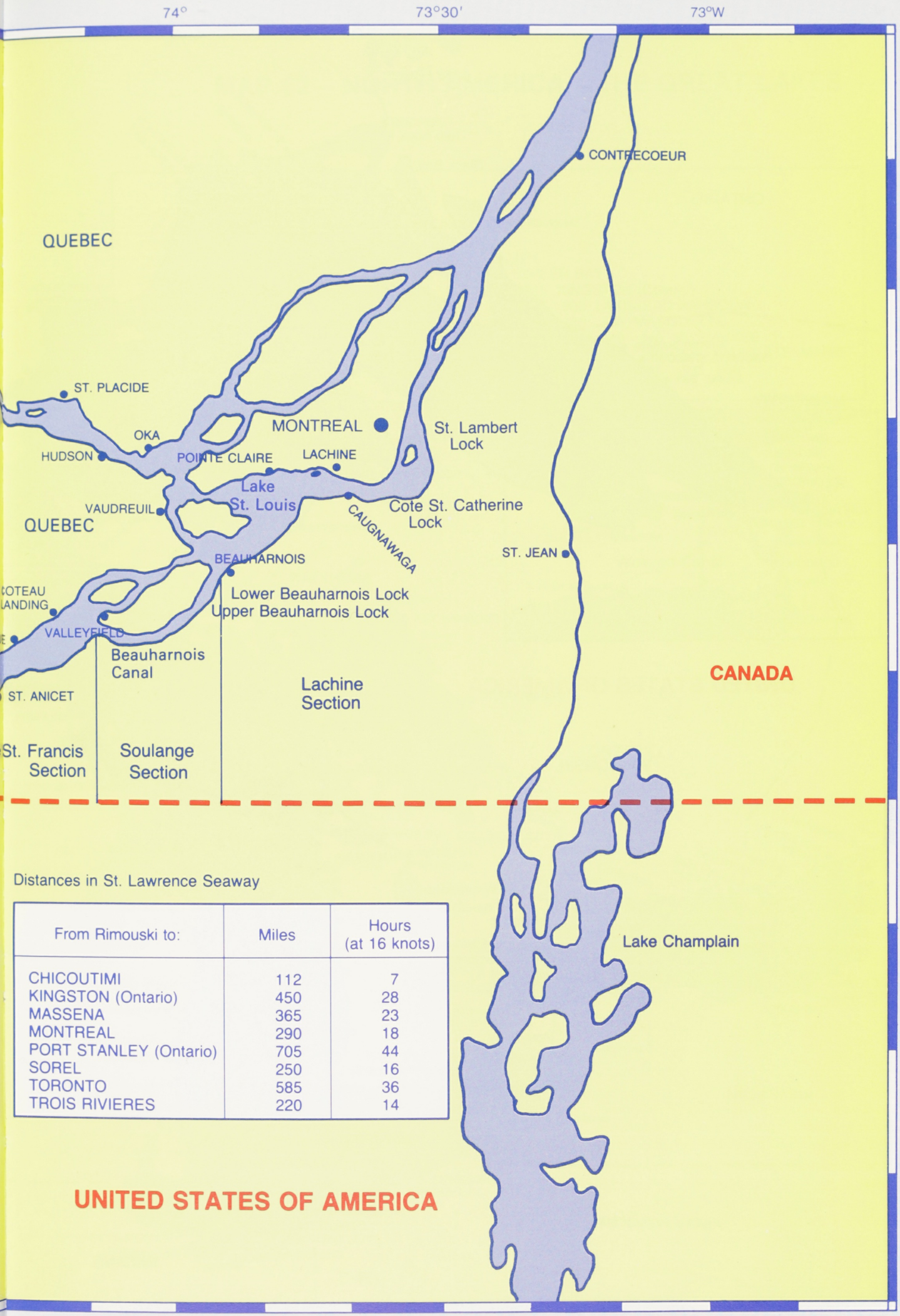




	BAIE VERTE											
BOSTON	1,140	BOSTON										
CORNER BROOK	740	790	CORNER BROOK									
HALIFAX	790	385	440	HALIFAX								
NEW RICHMOND	865	885	335	535	NEW RICHMOND							
NEW YORK	1,345	380	995	595	1,095	NEW YORK						
NORFOLK	1,525	560	1,175	775	1,275	285	NORFOLK					
PORT HAWKESBURY	685	515	325	165	415	725	900	PORT HAWKESBURY				
PORTLAND (Maine)	1,100	102	750	345	845	420	600	475	PORTLAND (Maine)			
RIMOUSKI	995	1,020	435	670	310	1,225	1,405	545	980	RIMOUSKI		
ST. JOHNS (N.F.)	255	895	495	545	620	1,100	1,280	435	855	750	ST. JOHNS (N.F.)	
SEPT ILES	915	940	345	590	235	1,150	1,330	470	900	140	670	SEPT ILES
SYDNEY (N.S.)	625	600	225	250	310	810	990	135	560	445	380	365

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MAP 61 – ST. LAWRENCE SEAWAY
76°
75°30'W
75°
74°30'
46°N
45°30'
45°
44°30'N
MONTEBELLO
FASSETT
CALUMET
GRENVILLE
HAWKESBURY
CARILLON
PAPINEAUVILLE
THURSO
Ottawa River
MASSON
ROCKLAND
GATINEAU
CUMBERLAND
HULL
AYLMER
OTTAWA
ONTARIO
CANADA
ST. ZOTI
LANCASTER
Lake St. Franc
Lak
ST. LAWRENCE SEAWAY
LONG SAULT
CORNWALL
Snell Lock
Eisenhower Lock
MASSENA
MORRISBURG
International Rapids Section
WADDINGTON
Iroquois Lock
CARDINAL
PRESCOTT
OGDENSBURG
International Rapids Section
BROCKVILLE
MORRISTOWN
NEW YORK
MALLORYTOWN
Thousand Islands Section
ROCKPORT
ALEXANDRIA BAY



Distances in St. Lawrence Seaway

From Rimouski to:	Miles	Hours (at 16 knots)
CHICOUTIMI	112	7
KINGSTON (Ontario)	450	28
MASSENA	365	23
MONTREAL	290	18
PORT STANLEY (Ontario)	705	44
SOREL	250	16
TORONTO	585	36
TROIS RIVIERES	220	14

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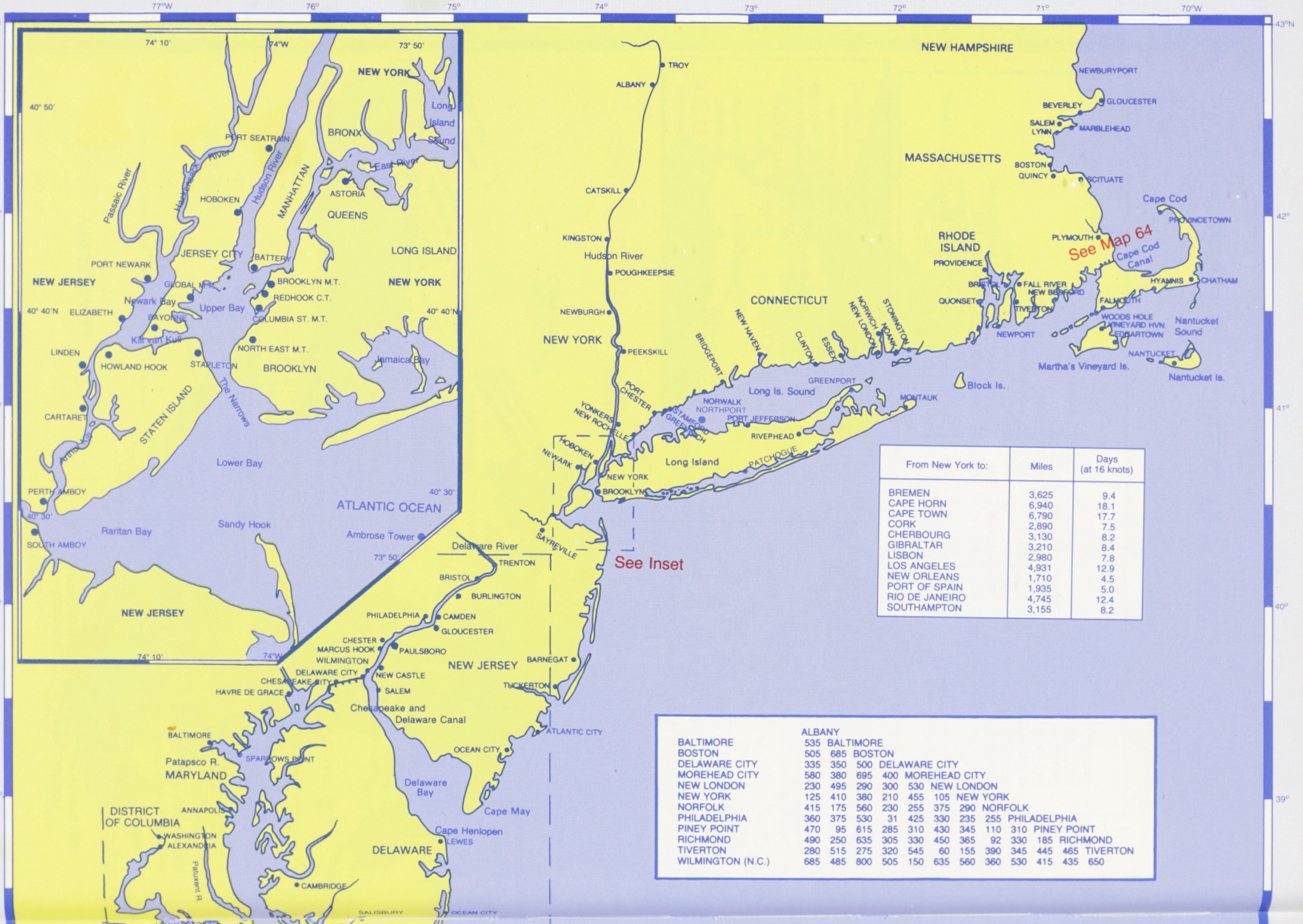
Map 62

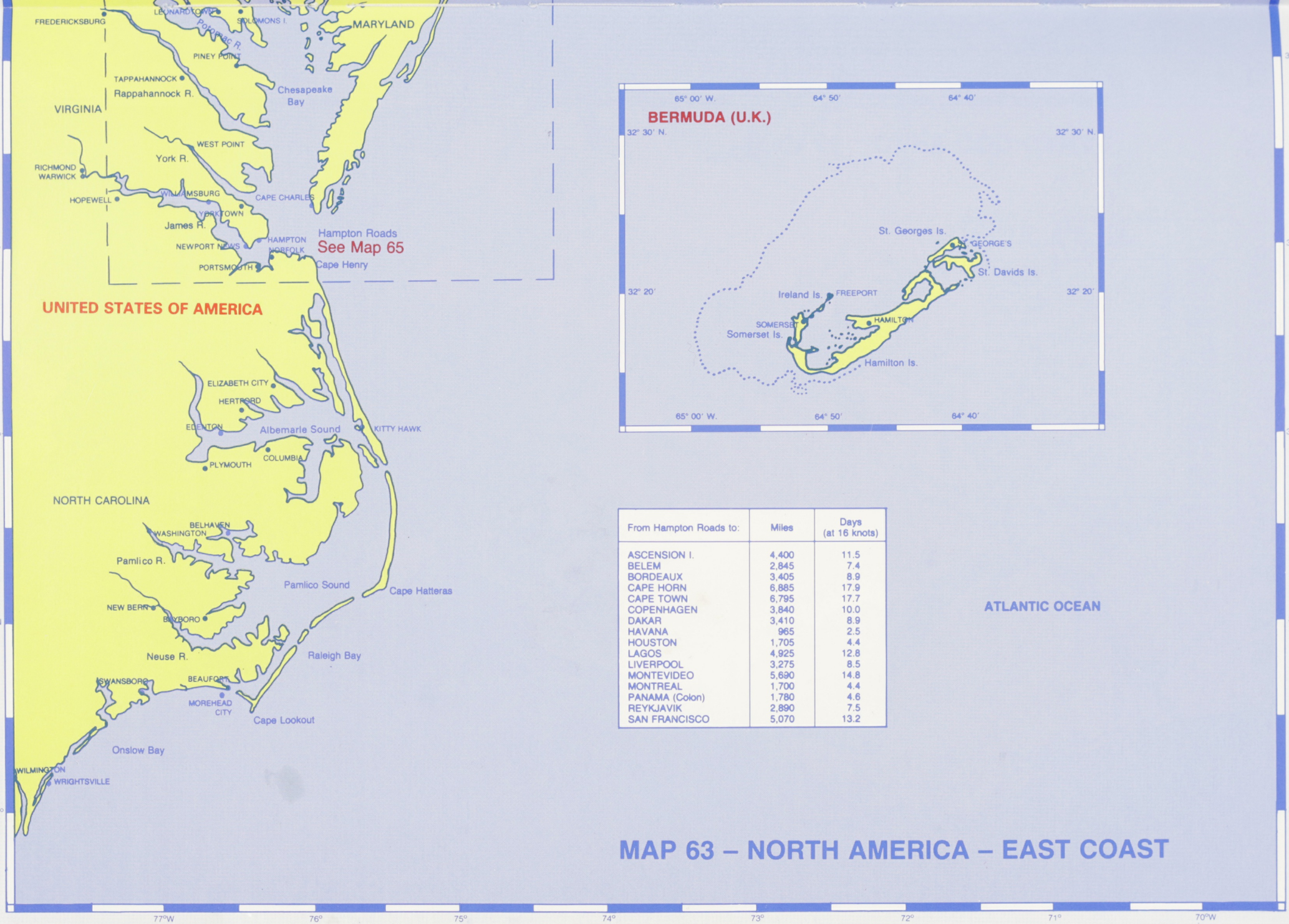

93°
92°W
91°
90°
89°
88°
87°
86°
85°
49°N
48°
47°
46°
45°
44°
43°
42°N
41°
Lake Nipigon
NIPIGON
RED ROCK
SCHREIBER
JACKFISH
MARATHON
HERON BAY
Black Bay
St. Ignace Is.
Slate Is.
ONTARIO
Thunder Bay
THUNDER BAY
MICHIPICOTEN
Isle Royale
GARGANTUA
Michipicoten Is.
AGAWA
GRAND MARAIS
TACONITE HARBOUR
SILVER BAY
COPPER HARBOUR
EAGLE RIVER
Manitou I.
Caribou I.
Keweenaw Pt.
MINNESOTA
LAKE SUPERIOR
TWO HARBOURS
Apostle Is.
HOUGHTON
ONTONAGON
PEQUAMING
BATCHAWANA
DULUTH
SUPERIOR
WASHBURN
LA POINTE
PORT WING
ASHLAND
L'ANSE
Grand Is.
GRAND MARAIS
MARQUETTE
MUNISING
SAULT STE. MARIE
MICHIGAN
NAUBINWAY
MANISTIQUE
NAHMA
ST. IGNACE
MACKINAW
GLADSTONE
ESCANABA
ST. JAMES
Beaver Is.
UNITED STATES OF AMERICA
CEDAR RIVER
Green Bay
Grand Traverse Bay
PETOSKEY
MENOMINEE
MARINETTE
Manitou Is.
ISLAND
OCONTO
STURGEON BAY
WISCONSIN
TRAVERSE CITY
Sturgeon Bay Canal
FRANKFORT
GREEN BAY
ALGOMA
DE PERE
KEWAUNEE
MANISTEE
APPLETON
KAUKAUNA
MENASHA
MANITOWOC
L. Winnebago
TWO RIVERS
LUDINGTON
OSHKOSH
SHEBOYGAN
MICHIGAN
FOND DU LAC
PORT WASHINGTON
WHITE LAKE
LAKE MICHIGAN
MUSKEGON
MILWAUKEE
GRAND HAVEN
RACINE
HOLLAND
KENOSHA
SAUGATUCK
WAUKEGAN
SOUTH HAVEN
ILLINOIS
ST. JOSEPH
CHICAGO
CALUMET
BUFFINGTON
GARY
BURNS HARBOUR
MICHIGAN CITY
INDIANA

MAP 62 – NORTH AMERICA – THE GREAT LAKES

	BUFFALO										
CHICAGO	775	CHICAGO									
COLLINGWOOD	505	495	COLLINGWOOD								
DETROIT	230	550	280	DETROIT							
DULUTH	860	705	570	630	DULUTH						
GREEN BAY	665	220	385	440	595	GREEN BAY					
KINGSTON (Ontario)	185	925	650	375	1,005	815	KINGSTON (Ontario)				
LAKEHEAD HARBOUR	750	595	460	525	170	485	900	LAKEHEAD HARBOUR			
MARQUETTE	665	500	365	425	225	390	800	150	MARQUETTE		
MILWAUKEE	720	74	440	495	645	155	865	540	440	MILWAUKEE	
SAULT STE. MARIE	515	360	225	290	345	250	660	240	140	305	SAULT STE. MARIE
TORONTO	67	810	540	260	890	700	135	785	685	750	550




77°W
76°
75°
74°
73°
72°
71°
70°W
43°N
42°
41°
40°
39°
NEW HAMPSHIRE
NEWBURYPORT
BEVERLEY
GLOUCESTER
SALEM
LYNN
MARBLEHEAD
MASSACHUSETTS
BOSTON
QUINCY
SCITUATE
Cape Cod
PROVINCETOWN
PLYMOUTH
See Map 64
Cape Cod Canal
RHODE ISLAND
PROVIDENCE
BRISTOL
FALL RIVER
NEW BEDFORD
HYANNIS
CHATHAM
QUONSET
TIVERTON
FALMOUTH
NEWPORT
WOODS HOLE
VINEYARD HVN.
EDGARTOWN
Nantucket Sound
NANTUCKET
Martha's Vineyard Is.
Nantucket Is.
Block Is.
TROY
ALBANY
CATSKILL
KINGSTON
Hudson River
POUGHKEEPSIE
NEWBURGH
NEW YORK
PEEKSKILL
CONNECTICUT
NEW HAVEN
BRIDGEPORT
CLINTON
ESSEX
NORWICH
NEW LONDON
STONINGTON
PORT CHESTER
YONKERS
NEW ROCHELLE
NORWALK
NORTHPORT
STAMFORD
GREENWICH
PORT JEFFERSON
GREENPORT
Long Is. Sound
MONTAUK
RIVERHEAD
Long Island
PATCHOGUE
HOBOKEN
NEWARK
NEW YORK
BROOKLYN
SAYREVILLE
See Inset
Delaware River
TRENTON
BRISTOL
BURLINGTON
PHILADELPHIA
CAMDEN
GLOUCESTER
CHESTER
MARCUS HOOK
PAULSBORO
WILMINGTON
NEW JERSEY
BARNEGAT
DELAWARE CITY
NEW CASTLE
CHESAPEAKE CITY
TUCKERTON
HAVRE DE GRACE
SALEM
Chesapeake and Delaware Canal
ATLANTIC CITY
OCEAN CITY
BALTIMORE
SPARROWS POINT
Patapsco R.
MARYLAND
Delaware Bay
Cape May
DISTRICT OF COLUMBIA
ANNAPOLIS
WASHINGTON
ALEXANDRIA
Cape Henlopen
LEWES
DELAWARE
Patuxent R.
CAMBRIDGE
SALISBURY
OCEAN CITY
74° 10'
74°W
73° 50'
40° 50'
40° 40'N
40° 30'
NEW YORK
Long Island Sound
BRONX
East River
ASTORIA
QUEENS
MANHATTAN
Hudson River
Passaic River
Hackensack River
PORT SEATRAIN
HOBOKEN
JERSEY CITY
BATTERY
LONG ISLAND
PORT NEWARK
NEW JERSEY
GLOBAL MT.
BROOKLYN M.T.
REDHOOK C.T.
Newark Bay
Upper Bay
COLUMBIA ST. M.T.
ELIZABETH
BAYONNE
Kill van Kull
NORTH EAST M.T.
LINDEN
HOWLAND HOOK
STAPLETON
BROOKLYN
Jamaica Bay
The Narrows
CARTARET
STATEN ISLAND
ARTHUR KILL
Lower Bay
ATLANTIC OCEAN
PERTH AMBOY
Raritan Bay
Sandy Hook
Ambrose Tower
SOUTH AMBOY
NEW JERSEY
74° 10'
74°W
From New York to:
Miles
Days (at 16 knots)
BREMEN 3,625 9.4
CAPE HORN 6,940 18.1
CAPE TOWN 6,790 17.7
CORK 2,890 7.5
CHERBOURG 3,130 8.2
GIBRALTAR 3,210 8.4
LISBON 2,980 7.8
LOS ANGELES 4,931 12.9
NEW ORLEANS 1,710 4.5
PORT OF SPAIN 1,935 5.0
RIO DE JANEIRO 4,745 12.4
SOUTHAMPTON 3,155 8.2
ALBANY
BALTIMORE 535 BALTIMORE
BOSTON 505 685 BOSTON
DELAWARE CITY 335 350 500 DELAWARE CITY
MOREHEAD CITY 580 380 695 400 MOREHEAD CITY
NEW LONDON 230 495 290 300 530 NEW LONDON
NEW YORK 125 410 380 210 455 105 NEW YORK
NORFOLK 415 175 560 230 255 375 290 NORFOLK
PHILADELPHIA 360 375 530 31 425 330 235 255 PHILADELPHIA
PINEY POINT 470 95 615 285 310 430 345 110 310 PINEY POINT
RICHMOND 490 250 635 305 330 450 365 92 330 185 RICHMOND
TIVERTON 280 515 275 320 545 60 155 390 345 445 465 TIVERTON
WILMINGTON (N.C.) 685 485 800 505 150 635 560 360 530 415 435 650



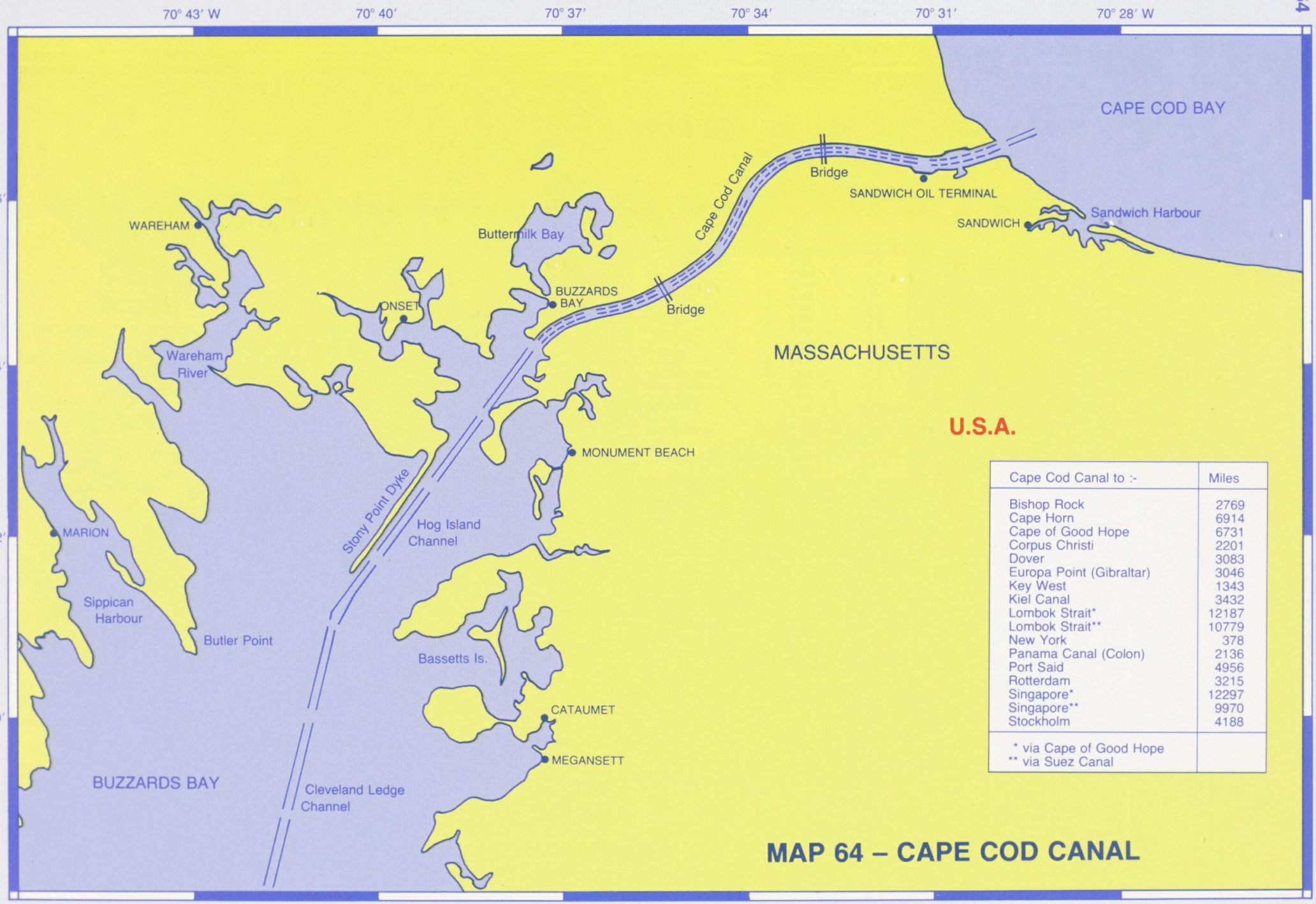
From Hampton Roads to:	Miles	Days (at 16 knots)
ASCENSION I.	4,400	11.5
BELEM	2,845	7.4
BORDEAUX	3,405	8.9
CAPE HORN	6,885	17.9
CAPE TOWN	6,795	17.7
COPENHAGEN	3,840	10.0
DAKAR	3,410	8.9
HAVANA	965	2.5
HOUSTON	1,705	4.4
LAGOS	4,925	12.8
LIVERPOOL	3,275	8.5
MONTEVIDEO	5,690	14.8
MONTREAL	1,700	4.4
PANAMA (Colon)	1,780	4.6
REYKJAVIK	2,890	7.5
SAN FRANCISCO	5,070	13.2

ATLANTIC OCEAN

MAP 63 – NORTH AMERICA – EAST COAST

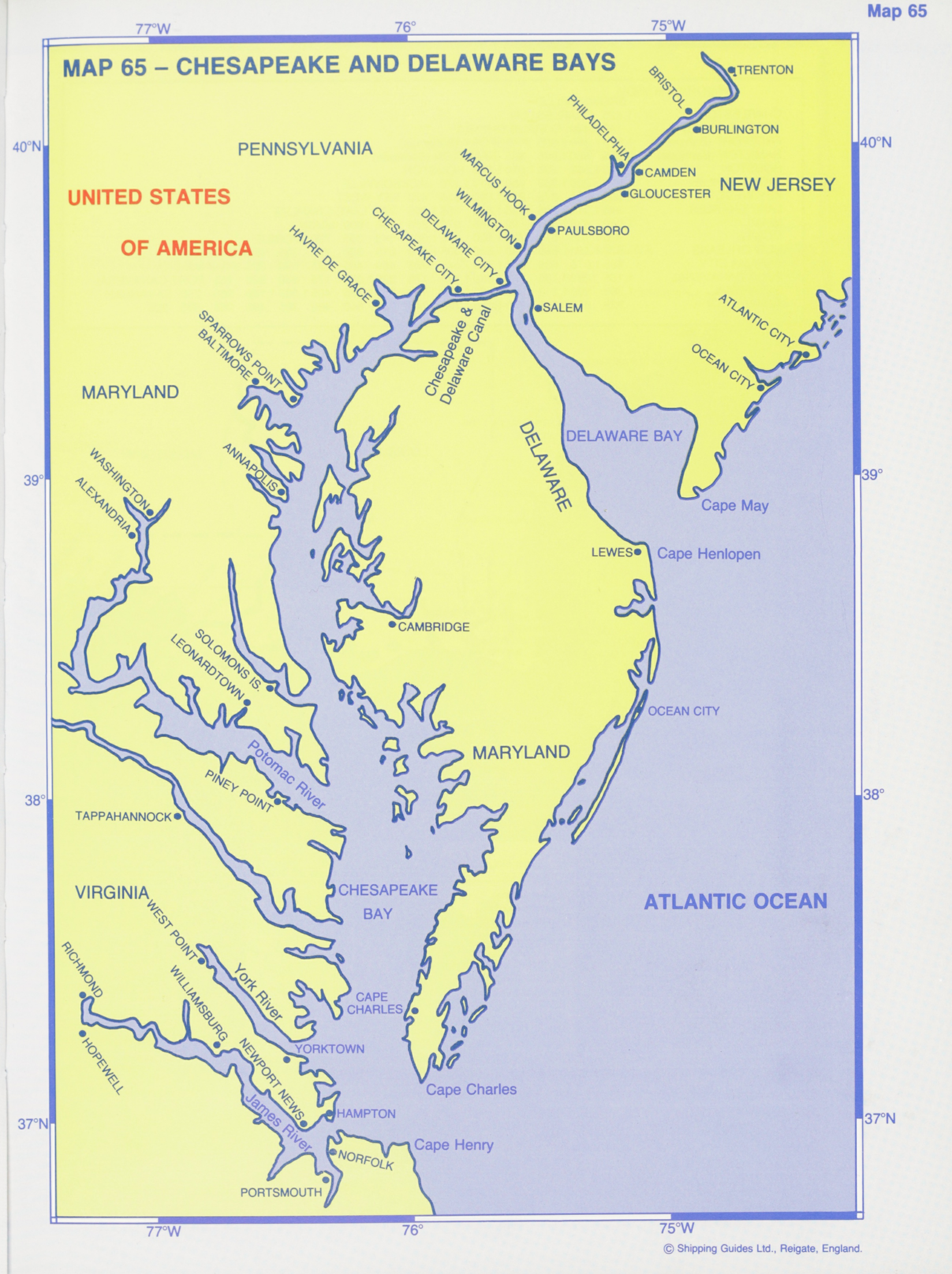
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Cape Cod Canal to :-	Miles
Bishop Rock	2769
Cape Horn	6914
Cape of Good Hope	6731
Corpus Christi	2201
Dover	3083
Europa Point (Gibraltar)	3046
Key West	1343
Kiel Canal	3432
Lombok Strait*	12187
Lombok Strait**	10779
New York	378
Panama Canal (Colon)	2136
Port Said	4956
Rotterdam	3215
Singapore*	12297
Singapore**	9970
Stockholm	4188
* via Cape of Good Hope ** via Suez Canal	

MAP 64 – CAPE COD CANAL



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	BROWNSVILLE												
CHARLESTON	1,425	CHARLESTON											
CORPUS CHRISTI	145	1,440	CORPUS CHRISTI										
FREEPORT (Bahamas)	1,075	390	1,085	FREEPORT (Bahamas)									
HAMILTON (Bermuda)	1,935	800	1,945	885	HAMILTON (Bermuda)								
HOUSTON	305	1,380	230	1,040	1,890	HOUSTON							
JACKSONVILLE	1,315	200	1,330	280	910	1,270	JACKSONVILLE						
KEY WEST	860	580	875	255	1,090	815	470	KEY WEST					
LAKE CHARLES	345	1,315	285	965	1,825	155	1,205	750	LAKE CHARLES				
MIAMI	1,010	435	1,020	92	955	970	325	190	900	MIAMI			
MOBILE	620	1,105	570	785	1,620	475	1,000	545	395	720	MOBILE		
NEW ORLEANS	575	1,180	560	830	1,690	435	1,070	615	380	765	235	NEW ORLEANS	
PANAMA CITY	685	1,015	635	690	1,520	545	905	450	465	625	160	305	PANAMA CITY
PORT CANAVERAL	1,165	280	1,180	155	960	1,120	175	320	1,055	175	850	920	755
SAVANNAH	1,395	100	1,410	360	865	1,350	150	550	1,285	405	1,080	1,150	985
TAMPA	825	850	810	530	1,355	725	745	285	640	460	385	495	265

	PORT CANAVERAL	SAVANNAH	TAMPA
PORT CANAVERAL			
SAVANNAH	250		
TAMPA	595	825	

98° 96° W 94° 92° 90°

36° 34° N 32° 30° 28° 26° 24° N

LOUISIANA

MISSISSIPPI

TEXAS

Mississippi R.

BATON ROUGE

NEW ORLEANS

GULFPORT

BILOXI

PASCAGOULA

MOBILE

LAKE CHARLES

BEAUMONT

ORANGE

PORT NECHES

MAGPETCO

BAYTOWN

HOUSTON

PASADENA

PORT ARTHUR

SABINE

CAMERON

MORGAN CITY

HOUMA

Marsh Is.

TEXAS CITY

PORT BOLIVAR

GALVESTON

OSTRICA

PILOT TOWN

North Pass

South Pass

Southwest Pass

L.O.O.P. TERMINAL

See Map 67

POINT COMFORT

FREEPORT

PALACIOS

PORT LAVACA

PORT O'CONNOR

ROCKPORT

ARANSAS PASS

INGLESIDE

Matagorda Is.

CORPUS CHRISTI

PORT ARANSAS

Padre Is.

Rio Grande

PORT ISABEL

BROWNSVILLE

MATAMOROS

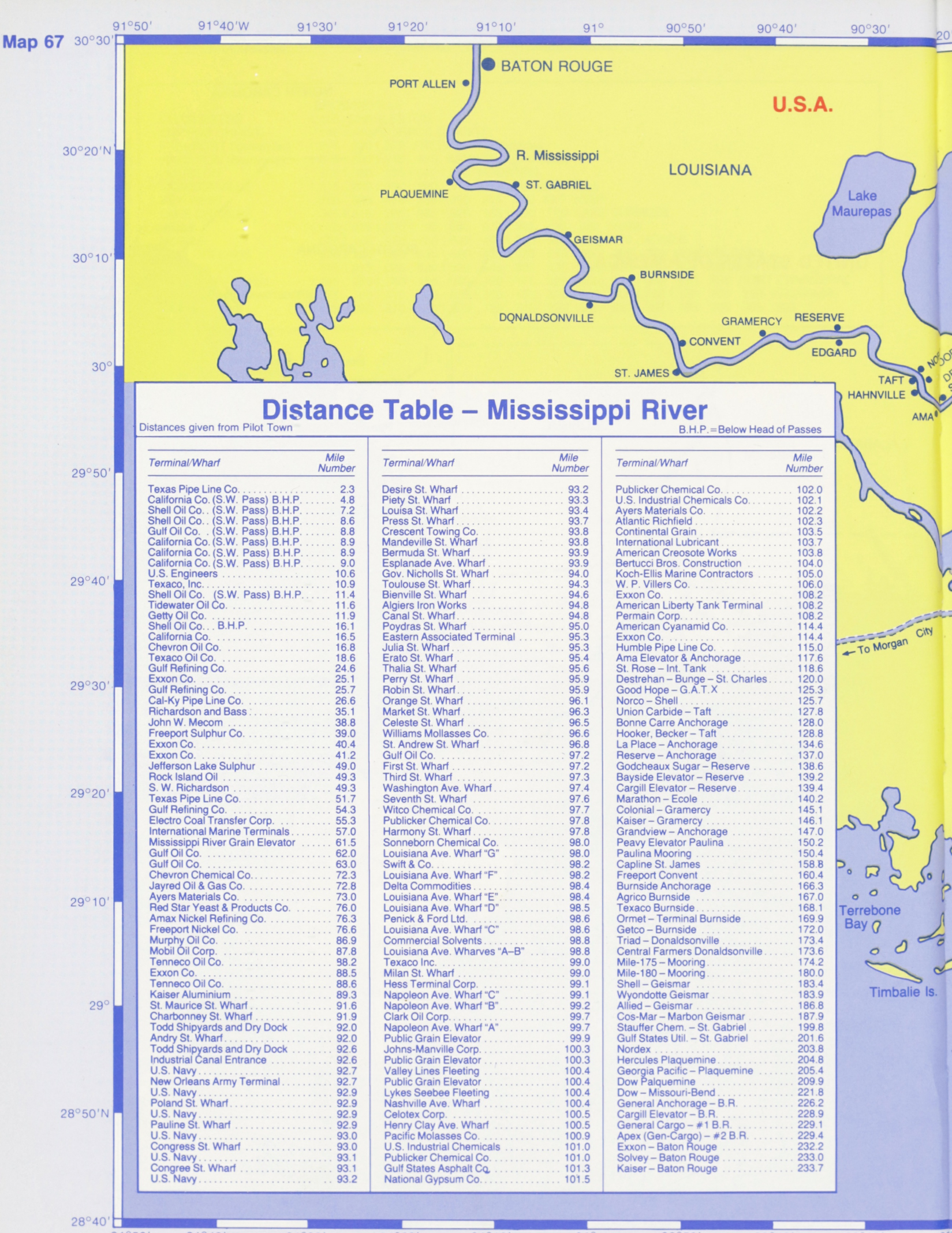
MEXICO

From Houston to:	Miles	Days (at 16 knots)
CAPE HORN	7,520	19.6
CAPE TOWN	7,505	19.5
COPENHAGEN	5,320	13.9
GIBRALTAR	4,775	12.4
LAGOS	5,955	15.5
LONDON (Gravesend)	5,010	13.1
MONTREAL	3,270	8.5
PANAMA (Colon)	1,530	4.0
PORT OF SPAIN	2,255	5.9
SEATTLE	5,580	14.5
SYDNEY	9,250	24.1
YOKOHAMA	9,260	24.1

MAP 66 – USA – GULF COAST



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Distance Table – Mississippi River

Distances given from Pilot Town

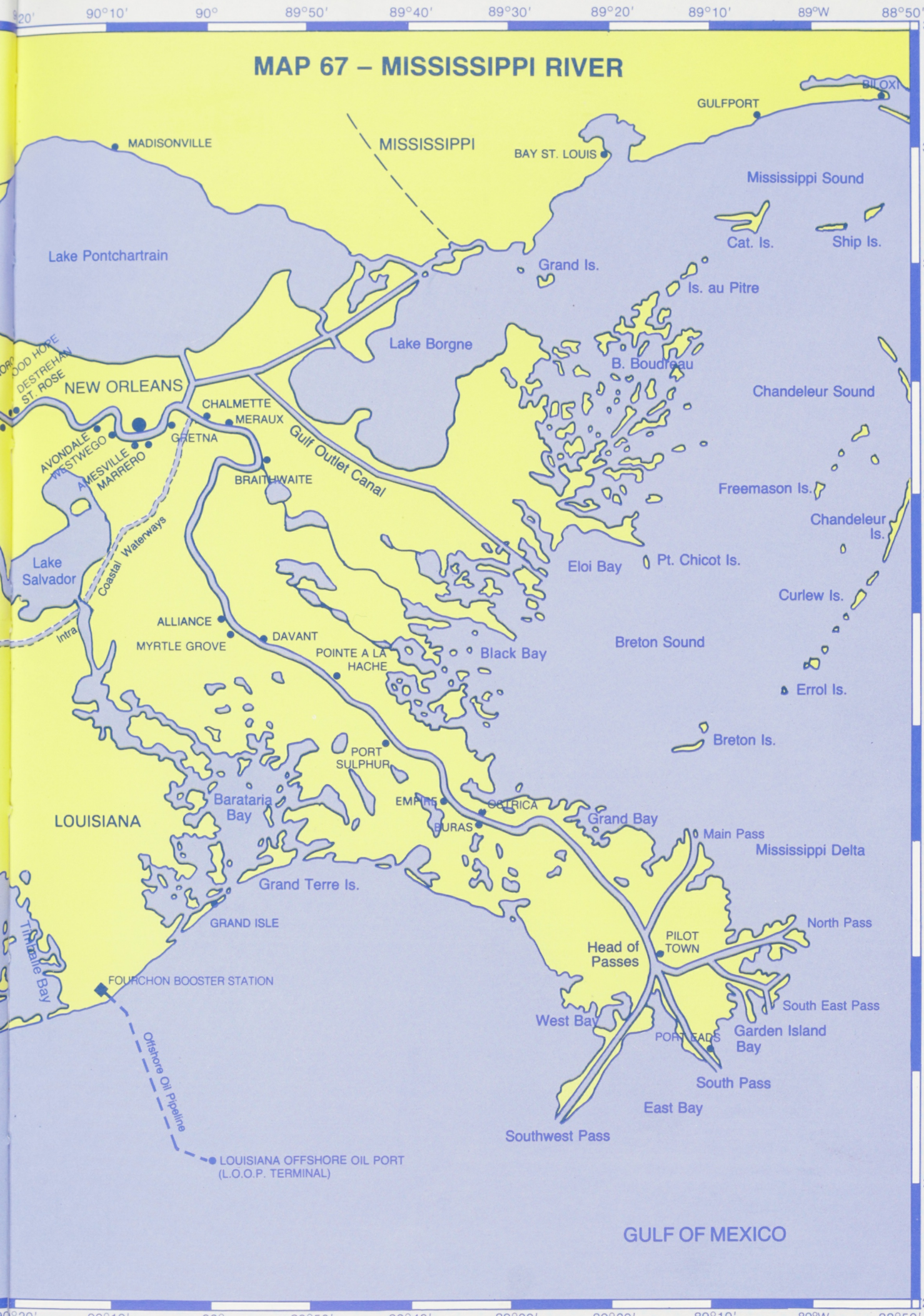
B.H.P.=Below Head of Passes

Terminal/Wharf	Mile Number
Texas Pipe Line Co.	2.3
California Co. (S.W. Pass) B.H.P.	4.8
Shell Oil Co. (S.W. Pass) B.H.P.	7.2
Shell Oil Co. (S.W. Pass) B.H.P.	8.6
Gulf Oil Co. (S.W. Pass) B.H.P.	8.8
California Co. (S.W. Pass) B.H.P.	8.9
California Co. (S.W. Pass) B.H.P.	8.9
California Co. (S.W. Pass) B.H.P.	9.0
U.S. Engineers	10.6
Texaco, Inc.	10.9
Shell Oil Co. (S.W. Pass) B.H.P.	11.4
Tidewater Oil Co.	11.6
Getty Oil Co.	11.9
Shell Oil Co. B.H.P.	16.1
California Co.	16.5
Chevron Oil Co.	16.8
Texaco Oil Co.	18.6
Gulf Refining Co.	24.6
Exxon Co.	25.1
Gulf Refining Co.	25.7
Cal-Ky Pipe Line Co.	26.6
Richardson and Bass	35.1
John W. Mecom	38.8
Freeport Sulphur Co.	39.0
Exxon Co.	40.4
Exxon Co.	41.2
Jefferson Lake Sulphur	49.0
Rock Island Oil	49.3
S. W. Richardson	49.3
Texas Pipe Line Co.	51.7
Gulf Refining Co.	54.3
Electro Coal Transfer Corp.	55.3
International Marine Terminals	57.0
Mississippi River Grain Elevator	61.5
Gulf Oil Co.	62.0
Gulf Oil Co.	63.0
Chevron Chemical Co.	72.3
Jayred Oil & Gas Co.	72.8
Ayers Materials Co.	73.0
Red Star Yeast & Products Co.	76.0
Amax Nickel Refining Co.	76.3
Freeport Nickel Co.	76.6
Murphy Oil Co.	86.9
Mobil Oil Corp.	87.8
Tenneco Oil Co.	88.2
Exxon Co.	88.5
Tenneco Oil Co.	88.6
Kaiser Aluminium	89.3
St. Maurice St. Wharf	91.6
Charbonney St. Wharf	91.9
Todd Shipyards and Dry Dock	92.0
Andry St. Wharf	92.0
Todd Shipyards and Dry Dock	92.6
Industrial Canal Entrance	92.6
U.S. Navy	92.7
New Orleans Army Terminal	92.7
U.S. Navy	92.9
Poland St. Wharf	92.9
U.S. Navy	92.9
Pauline St. Wharf	92.9
U.S. Navy	93.0
Congress St. Wharf	93.0
U.S. Navy	93.1
Congree St. Wharf	93.1
U.S. Navy	93.2

Terminal/Wharf	Mile Number
Desire St. Wharf	93.2
Piety St. Wharf	93.3
Louisa St. Wharf	93.4
Press St. Wharf	93.7
Crescent Towing Co.	93.8
Mandeville St. Wharf	93.8
Bermuda St. Wharf	93.9
Esplanade Ave. Wharf	93.9
Gov. Nicholls St. Wharf	94.0
Toulouse St. Wharf	94.3
Bienville St. Wharf	94.6
Algiers Iron Works	94.8
Canal St. Wharf	94.8
Poydras St. Wharf	95.0
Eastern Associated Terminal	95.3
Julia St. Wharf	95.3
Erato St. Wharf	95.4
Thalia St. Wharf	95.6
Perry St. Wharf	95.9
Robin St. Wharf	95.9
Orange St. Wharf	96.1
Market St. Wharf	96.3
Celeste St. Wharf	96.5
Williams Mollasses Co.	96.6
St. Andrew St. Wharf	96.8
Gulf Oil Co.	97.2
First St. Wharf	97.2
Third St. Wharf	97.3
Washington Ave. Wharf	97.4
Seventh St. Wharf	97.6
Witco Chemical Co.	97.7
Publicker Chemical Co.	97.8
Harmony St. Wharf	97.8
Sonneborn Chemical Co.	98.0
Louisiana Ave. Wharf "G"	98.0
Swift & Co.	98.2
Louisiana Ave. Wharf "F"	98.2
Delta Commodities	98.4
Louisiana Ave. Wharf "E"	98.4
Louisiana Ave. Wharf "D"	98.5
Penick & Ford Ltd.	98.6
Louisiana Ave. Wharf "C"	98.6
Commercial Solvents	98.8
Louisiana Ave. Wharves "A–B"	98.8
Texaco Inc.	99.0
Milan St. Wharf	99.0
Hess Terminal Corp.	99.1
Napoleon Ave. Wharf "C"	99.1
Napoleon Ave. Wharf "B"	99.2
Clark Oil Corp.	99.7
Napoleon Ave. Wharf "A"	99.7
Public Grain Elevator	99.9
Johns-Manville Corp.	100.3
Public Grain Elevator	100.3
Valley Lines Fleeting	100.4
Public Grain Elevator	100.4
Lykes Seebee Fleeting	100.4
Nashville Ave. Wharf	100.4
Celotex Corp.	100.5
Henry Clay Ave. Wharf	100.5
Pacific Molasses Co.	100.9
U.S. Industrial Chemicals	101.0
Publicker Chemical Co.	101.0
Gulf States Asphalt Co.	101.3
National Gypsum Co.	101.5

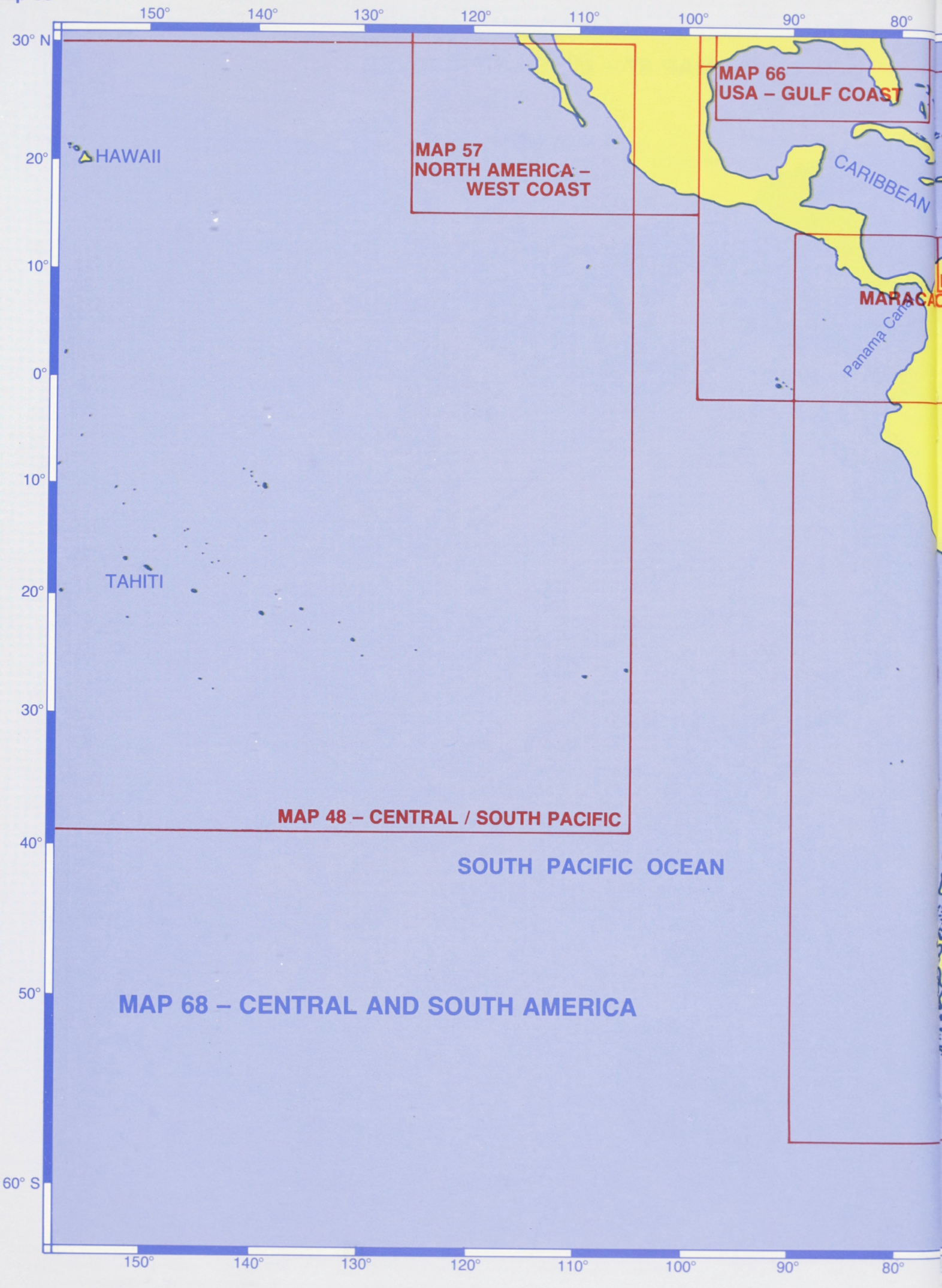
Terminal/Wharf	Mile Number
Publicker Chemical Co.	102.0
U.S. Industrial Chemicals Co.	102.1
Ayers Materials Co.	102.2
Atlantic Richfield	102.3
Continental Grain	103.5
International Lubricant	103.7
American Creosote Works	103.8
Bertucci Bros. Construction	104.0
Koch-Ellis Marine Contractors	105.0
W. P. Villers Co.	106.0
Exxon Co.	108.2
American Liberty Tank Terminal	108.2
Permain Corp.	108.2
American Cyanamid Co.	114.4
Exxon Co.	114.4
Humble Pipe Line Co.	115.0
Ama Elevator & Anchorage	117.6
St. Rose – Int. Tank	118.6
Destrehan – Bunge – St. Charles	120.0
Good Hope – G.A.T.X	125.3
Norco – Shell	125.7
Union Carbide – Taft	127.8
Bonne Carre Anchorage	128.0
Hooker, Becker – Taft	128.8
La Place – Anchorage	134.6
Reserve – Anchorage	137.0
Godcheaux Sugar – Reserve	138.6
Bayside Elevator – Reserve	139.2
Cargill Elevator – Reserve	139.4
Marathon – Ecole	140.2
Colonial – Gramercy	145.1
Kaiser – Gramercy	146.1
Grandview – Anchorage	147.0
Peavy Elevator Paulina	150.2
Paulina Mooring	150.4
Capline St. James	158.8
Freeport Convent	160.4
Burnside Anchorage	166.3
Agrico Burnside	167.0
Texaco Burnside	168.1
Ormet – Terminal Burnside	169.9
Getco – Burnside	172.0
Triad – Donaldsonville	173.4
Central Farmers Donaldsonville	173.6
Mile-175 – Mooring	174.2
Mile-180 – Mooring	180.0
Shell – Geismar	183.4
Wyondotte Geismar	183.9
Allied – Geismar	186.8
Cos-Mar – Marbon Geismar	187.9
Stauffer Chem. – St. Gabriel	199.8
Gulf States Util. – St. Gabriel	201.6
Nordex	203.8
Hercules Plaquemine	204.8
Georgia Pacific – Plaquemine	205.4
Dow Palquemine	209.9
Dow – Missouri-Bend	221.8
General Anchorage – B.R.	226.2
Cargill Elevator – B.R.	228.9
General Cargo – #1 B.R.	229.1
Apex (Gen-Cargo) – #2 B.R.	229.4
Exxon – Baton Rouge	232.2
Solvey – Baton Rouge	233.0
Kaiser – Baton Rouge	233.7

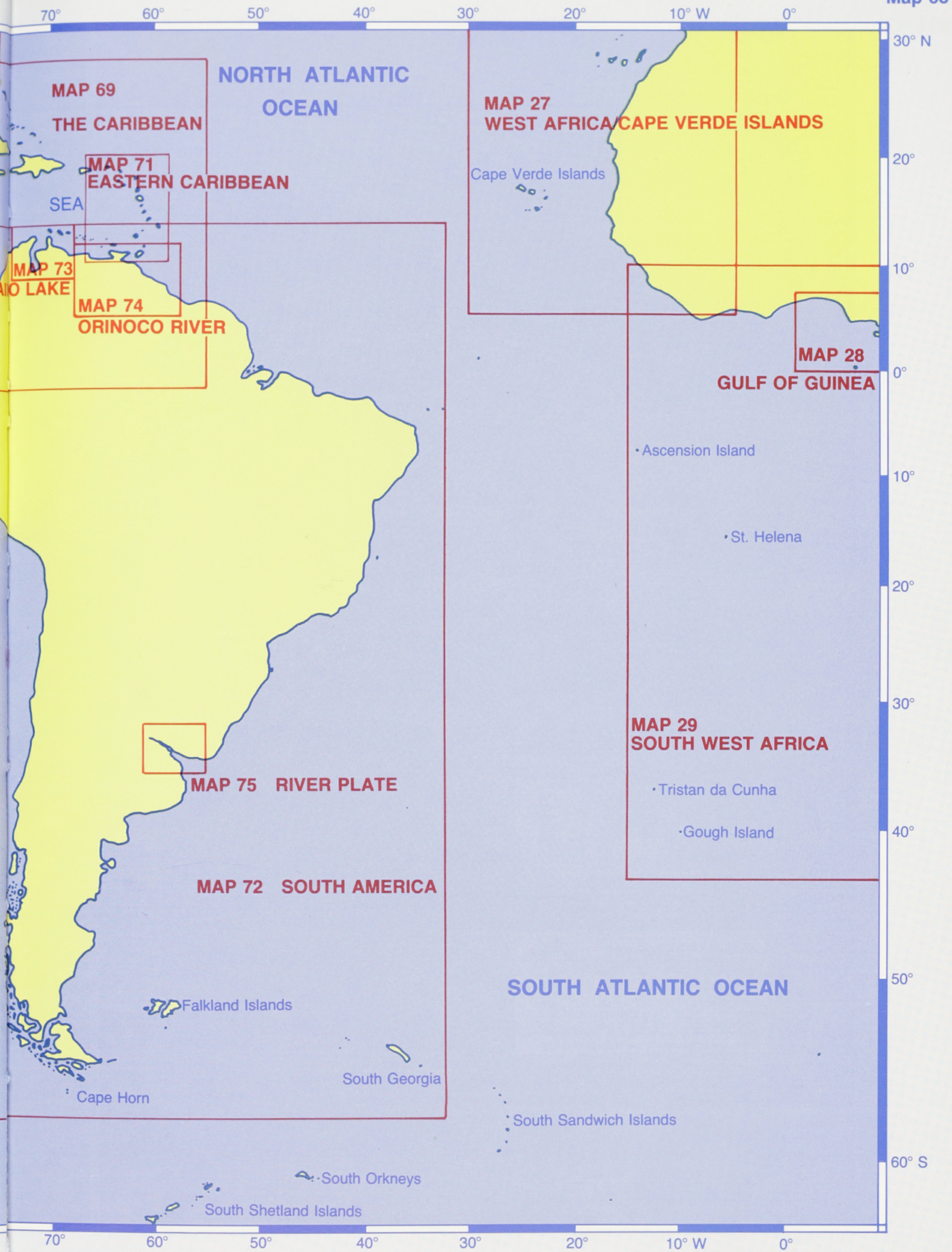
MAP 67 – MISSISSIPPI RIVER



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Map 68


150°
140°
130°
120°
110°
100°
90°
80°
30° N
20°
10°
0°
10°
20°
30°
40°
50°
60° S
HAWAII
MAP 57
NORTH AMERICA –
WEST COAST
MAP 66
USA – GULF COAST
CARIBBEAN
MARACAC
Panama Cana
TAHITI
MAP 48 – CENTRAL / SOUTH PACIFIC
SOUTH PACIFIC OCEAN
MAP 68 – CENTRAL AND SOUTH AMERICA



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Map 69



From Panama (Colon) to:	Miles	Days (at 16 knots)
AVONMOUTH	4,515	11.8
CAPE TOWN	6,425	16.7
DAKAR	3,690	9.6
LISBON	4,155	10.8
LONDON (Gravesend)	4,760	12.4
MONTREAL	3,190	8.3
NEW YORK	1,975	5.1
OSLO	5,065	13.2

From Panama (Balboa) to:	Miles	Days (at 16 knots)
HONG KONG	9,195	24.0
MELBOURNE	7,915	20.6
PAPEETE	4,580	11.9
SINGAPORE	10,495	27.3
SUVA	6,315	16.5
VLADIVOSTOCK	7,740	20.2
Average transit time of Panama Canal 10-12 hours		

MAP 69 – THE CARIBBEAN



	BARRANQUILLA	BELIZE	BRIDGETOWN (Barbados)	CIENFUEGOS	CORPUS CHRISTI	CRISTOBAL (Panama)	FREEPORT (Bahamas)	GEORGETOWN (G.C.)	GEORGETOWN (Guy.)	HAVANA	KEY WEST	KINGSTON (Jamaica)	LA CEIBA	MARACAIBO	MIAMI	NASSAU	PORT AU PRINCE	PORT OF SPAIN (Trinidad)	PUERTO ORDAZ	ST. JOHNS (Antigua)	SAN JUAN (Puerto Rico)	SANTIAGO	VERA CRUZ
BELIZE	900																						
BRIDGETOWN (Barbados)	925	1,695																					
CIENFUEGOS	750	545	1,335																				
CORPUS CHRISTI	1,630	995	2,300	1,050																			
CRISTOBAL (Panama)	340	800	1,235	775	1,540																		
FREEPORT (Bahamas)	1,070	805	1,355	750	1,085	1,240																	
GEORGETOWN (G.C.)	630	410	1,310	185	1,020	600	745																
GEORGETOWN (Guy.)	1,170	1,955	395	1,630	2,600	1,475	1,700	1,595															
HAVANA	1,060	525	1,460	475	860	990	305	445	1,790														
KEY WEST	1,080	590	1,455	535	875	1,055	255	500	1,785	92													
KINGSTON (Jamaica)	445	695	1,045	390	1,320	555	735	300	1,330	745	747												
LA CEIBA	810	135	1,610	550	1,030	710	835	385	1,865	560	625	620											
MARACAIBO	370	1,185	750	920	1,860	675	1,165	850	990	1,185	1,180	585	1,080										
MIAMI	1,080	735	1,420	685	1,020	1,200	92	680	1,770	240	180	750	770	1,180									
NASSAU	995	890	1,280	840	1,180	1,165	120	815	1,630	380	325	665	925	1,095	190								
PORT AU PRINCE	595	920	1,050	530	1,385	765	635	525	1,360	660	650	280	865	695	650	560							
PORT OF SPAIN (Trinidad)	835	1,625	205	1,305	2,275	1,140	1,390	1,265	370	1,480	1,475	1,000	1,540	665	1,455	1,315	1,035						
PUERTO ORDAZ	1,165	1,950	430	1,625	2,600	1,475	1,680	1,590	370	1,790	1,780	1,325	1,870	1,000	1,765	1,625	1,355	365					
ST. JOHNS (Antigua)	850	1,520	290	1,145	2,065	1,155	1,100	1,130	675	1,225	1,220	870	1,455	695	1,175	1,025	805	405	680				
SAN JUAN (Puerto Rico)	705	1,305	510	890	1,810	995	865	895	875	980	965	635	1,225	620	930	795	550	575	875	260			
SANTIAGO	555	730	1,055	330	1,300	685	620	320	1,340	640	635	180	685	645	635	550	230	1,015	1,340	830	580		
VERA CRUZ	1,500	865	2,200	940	540	1,410	1,080	900	2,485	815	865	1,200	900	1,740	1,015	1,170	1,395	2,150	2,480	2,010	1,755	1,190	

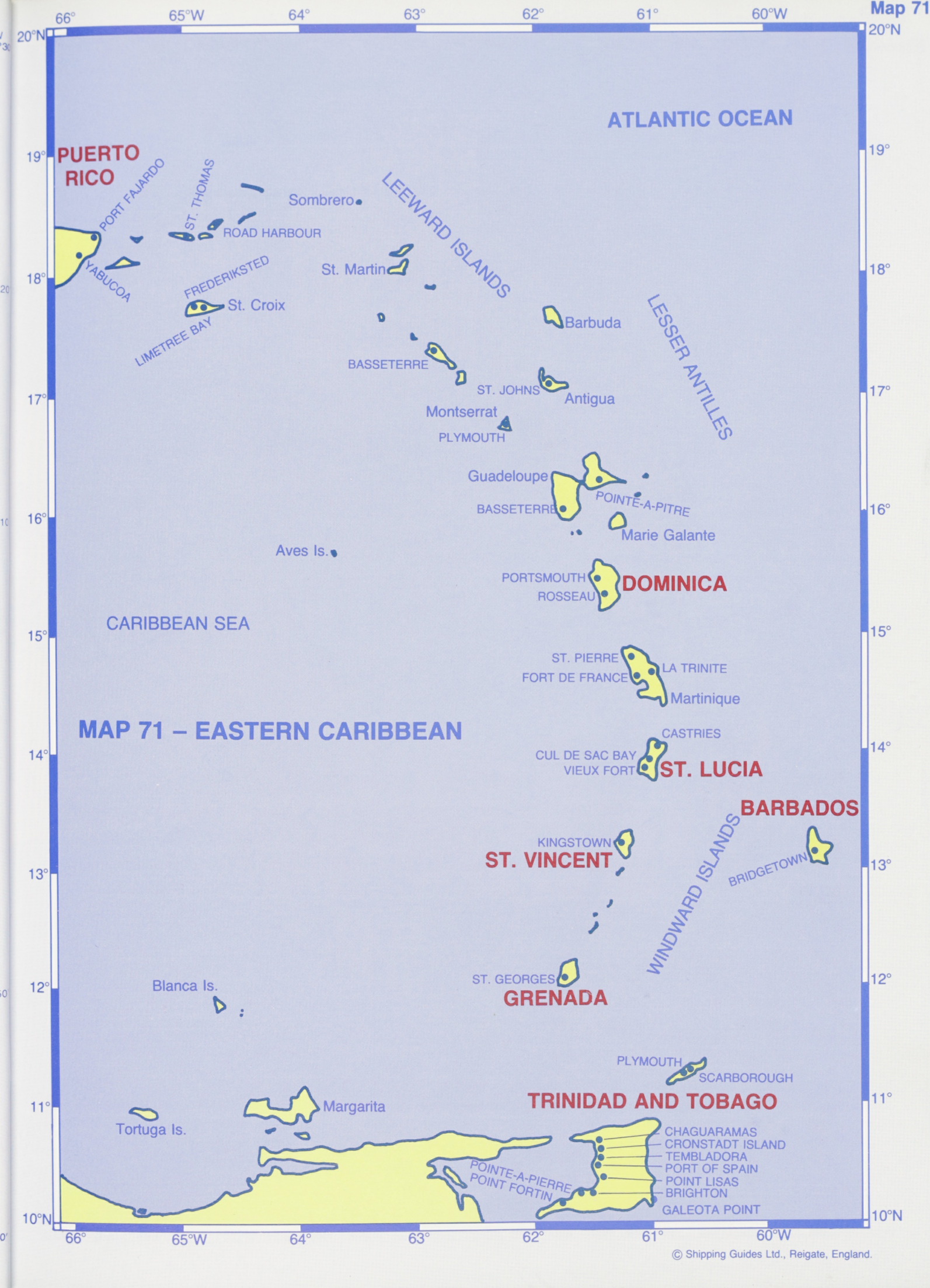
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Map 70



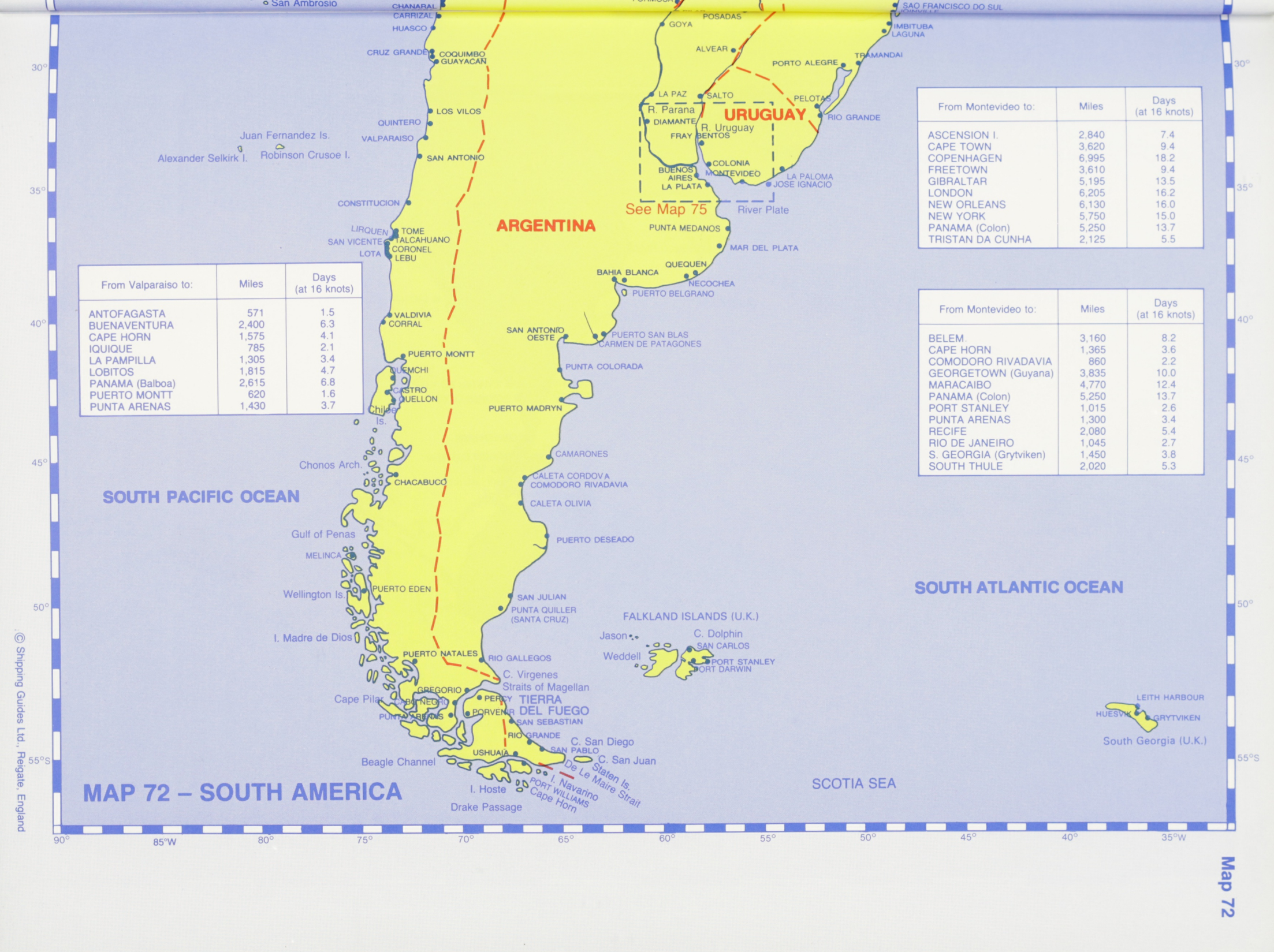
MAP 70 – PANAMA CANAL

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90°
85°W
80°
75°
70°
65°
60°
55°
50°
45°
40°
35°W
10°N
5°
0°
5°
10°
15°
20°
25°
See Map 73
See Map 74
TRINIDAD AND TOBAGO
PORT OF SPAIN
PUERTO SANDINO
PUNTARENAS
PANAMA
Canal
CRISTOBAL
BALBOA
COSTA RICA
BARRANQUILLA
COVENAS
TURBO
PUCALLPA
Atrato R.
AMUAY BAY
MARACAIBO
LA SALINA
TUCACAS
PERTIGALETE
PEDERNALES
R. Orinoco
MATANZAS
VENEZUELA
GEORGETOWN
NEW AMSTERDAM
NEW NICKERIE
PARAMARIBO
MOENGO
ST. LAURENT
KOUROU
Iles du Salut
Devils I.
LARIVOT
DEGRAD-DES-CANNES
GUYANA
WAGENINGEN
PARANAM
ALBINA
SURINAME
CAYENNE
REMIRE
GUYANE
ATLANTIC OCEAN
Gulf of Panama
Cocos Is.
JURADO
San Juan R.
COLOMBIA
Malpelo Is.
BUENAVENTURA
Gorgona
GUAPI
TUMACO
BALAO TERMINAL
SAN LORENZO
ESMERALDAS
BAHIA DE CARAQUEZ
MANTA
C. de Norte
of
EQUATOR
MACAPA
SANTANA
AFUA
BELEM
SALINOPOLIS
Marajo
BRAGANCA
BREVES
OBIDOS
R. Negro
Amazon River
ITACOATIARA
PARINTINS
ITAIATUBA
SANTEREM
ALTAIMIRA
MANAUS
PORTEL
RIO PACAJA
CAMETA
TUCURUI
SAO LUIZ
ALUMAR
ITAQUI
TUTOIA
CAMOCIM
ACARAU
PARNAIBA
FORTLEZA
Rocas Is.
Fernando
Noronha Is.
R. Tapajos
R. Tocantins
ECUADOR
BARQUERIZA
GALAPAGOS IS.
(Ecuador)
SALINAS
LA LIBERTAD
GUAYAQUIL
PUNA
PUERTO BOLIVAR
CABO BLANCO
ZORRITOS
LOBITOS
TALARA
NEGRITOS
PAITA
R. Napo
IQUITOS
FONTE BOA
SAO PAULO
LETICIA
TABATINGA
COARI
CODAJAS
MARABA
IMPERATRIZ
ARACATI
AREIA BRANCA
NATAL
CABEDELO
JOAO PESSOA
RECIFE
(PERNAMBUCO)
MACEIO
PENEDO
BAYOVAR
R. Uguyali
Lobos de Tierra
Lobos de Alfuera
PIMENTEL
ETEN
PACASMAYO
PUERTO CHICAMA
SALAVERRY
COISHCO
CHIMBOTE
PUCALLPA
SAMANCO
HUARMEY
PARAMONGA
SUPE
HUACHO
CHANCAY
LA PAMPILLA
CALLAO
CONCHAN
TAMBO DE MORA
PISCO
GENERAL SAN MARTIN
PERU
R. Madeira
HUMAITA
PORTO VELHO
R. Xingu
R. San Francisco
CARMOPOLIS
MADRE DE DEUS
ARATU
SALVADOR
ILHEUS
PACIFIC OCEAN
SAN NICOLAS
SAN JUAN
ATICO
MATARANI
MOLLENDO
ILO
ARICA
BRAZIL
BOLIVIA
PUERTO SUAREZ
CORUMBA
PORTO ESPERANZA
BAHIA NEGRA
PORTO MURTINHO
CASADO
PISAGUA
IQUIQUE
PATILLOS COVE
TOCOPILLA
MEJILLONES
ANTOFAGASTA
TALTAL
TROPIC OF CAPRICORN
CONCEPTION
PARAGUAY
ASUNCION
FORMOSA
IGUAZU
CHILE
San Felix
San Ambrosio
BARQUITO
PORTO SEGURO
CARAVELAS
Abrolhos Is.
ARACRUZ
BARRA DO RIARCHO
TUBARAO
VITORIA
UBU
SEPETIBA TERMINAL
ANGRA DOS REIS
BAIA DA ILHA GRANDE TERMINAL
RIO DE JANEIRO
CABO FRIO
NITEROI
SANTOS
SAO SEBASTIAO
ANTONINA
PARANAGUA
SAO FRANCISCO DO SUL



From Valparaiso to:	Miles	Days (at 16 knots)
ANTOFAGASTA	571	1.5
BUENAVENTURA	2,400	6.3
CAPE HORN	1,575	4.1
IQUIQUE	785	2.1
LA PAMPILLA	1,305	3.4
LOBITOS	1,815	4.7
PANAMA (Balboa)	2,615	6.8
PUERTO MONTT	620	1.6
PUNTA ARENAS	1,430	3.7

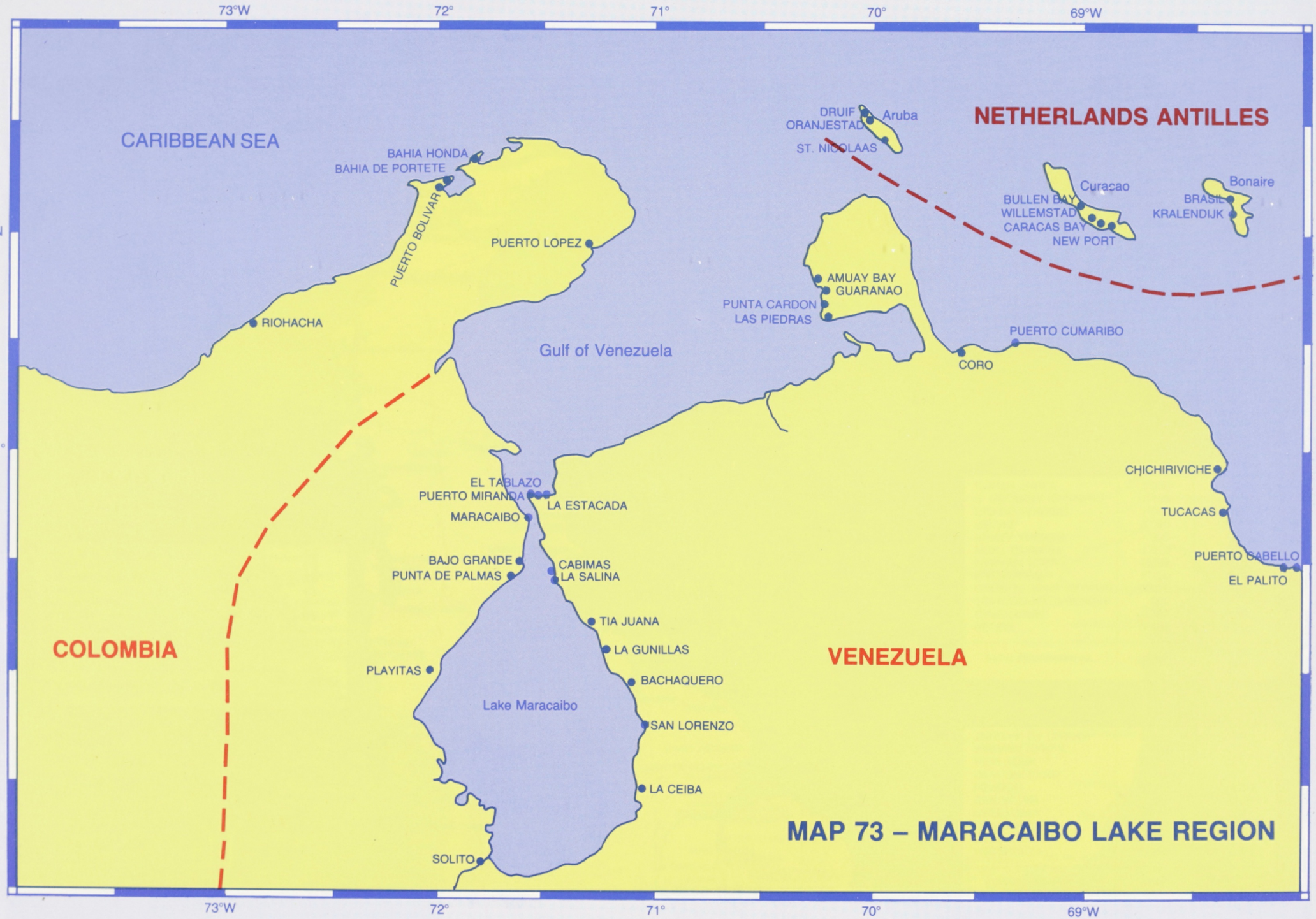
From Montevideo to:	Miles	Days (at 16 knots)
ASCENSION I.	2,840	7.4
CAPE TOWN	3,620	9.4
COPENHAGEN	6,995	18.2
FREETOWN	3,610	9.4
GIBRALTAR	5,195	13.5
LONDON	6,205	16.2
NEW ORLEANS	6,130	16.0
NEW YORK	5,750	15.0
PANAMA (Colon)	5,250	13.7
TRISTAN DA CUNHA	2,125	5.5

From Montevideo to:	Miles	Days (at 16 knots)
BELEM	3,160	8.2
CAPE HORN	1,365	3.6
COMODORO RIVADAVIA	860	2.2
GEORGETOWN (Guyana)	3,835	10.0
MARACAIBO	4,770	12.4
PANAMA (Colon)	5,250	13.7
PORT STANLEY	1,015	2.6
PUNTA ARENAS	1,300	3.4
RECIFE	2,080	5.4
RIO DE JANEIRO	1,045	2.7
S. GEORGIA (Grytviken)	1,450	3.8
SOUTH THULE	2,020	5.3

MAP 72 – SOUTH AMERICA

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MAP 73 – MARACAIBO LAKE REGION



MAP 74 – ORINOCO RIVER

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MAP 75 – RIVER PLATE



Recalada Pilot to:-	Miles
Montevideo	16
La Plata	102
Interseccion Pilot	92
Buenos Aires	112
Martin Garcia	129
Ibicuy	189
Campana	227
Zarate	222
San Pedro	223
Obligado	233
Ramallo	245
San Nicolas	260
Villa Constitucion	269
Rosario	294
San Lorenzo	310
Grondona	327
Gaboto	332
Diamante	358
Alvear	369
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THE SHIPS ATLAS

INDEX

KEY TO INDEX

The following terms have been used throughout the index.

Brunei	for Brunei Darussalam
China	for People's Republic of China
Eire	for Republic of Ireland
Germany	for Federal Republic of Germany
North Korea	for Democratic People's Republic of Korea
South Korea	for Republic of Korea
Madagascar	for Democratic Republic of Madagascar (Malagasy Republic)
Micronesia	for Federated States of Micronesia
Myanmar	for Union of Myanmar (Burma)
Netherlands	for Holland
Somalia	for Somali Democratic Republic
Taiwan	for Republic of China
U.S.S.R.	for Union of Soviet Socialist Republics
U.A.E.	for United Arab Emirates
U.K.	for United Kingdom
U.S.A.	for United States of America
Yemen	for Republic of Yemen

A

Aabenraa, Denmark: 55.02 N. 9.26 E. **10, 11**
Max. Size: Draft 34 ft. *Fuel:* All grades by barge or truck.
Dry Dock: Floating dock 600 tons capacity.
Airport: Skrydstrup, 25 km.

Aaheim, Norway: 62.02 N. 5.32 E. **15**
Max. Size: Draft 13.5 m. *Fuel:* Not available.

Aalun, see Laayoune.

Aalborg, Denmark: 57.03 N. 9.55 E. **10, 11**
Max. Size: Draft at Bar 9.3 m. *Fuel:* All grades.
Dry Docks: None. *Airport:* 3 miles.

Aandalsnes, Norway: 62.34 N. 7.42 E. **15**

Aarhus, Denmark: 56.09 N. 10.13 E. **10, 11**
Max. Size: Depths: Oil port 12 m. General cargo port 10 m. Container terminal up to 11 m. Eastern Division 12 m. Coal 13.5 m. *Fuel:* All grades available.
Dry Docks: 19,000 tons. *Airport:* 32 km.

Aasiaat, Greenland: 68.43 N. 52.53 W. **17**
Max. Size: Largest berthed – LOA 136 m., breadth 20 m., draft 7.5 m. Depth 8.1 m. at medium low tide.
Fuel: Only gas oil available. *Airport:* Heliport.

Abadan, Iran: 30.20 N. 48.16 E. **31, 35**
Max. Size: Draft 28 ft. 6 in., LOA 600 ft. (as of 1980).

Abalang Is., Kiribati: 1.50 N. 172.56 E. **48**

Abanto y Ciervana, see Ciervana.

Abashiri, Japan: 44.02 N. 144.16 E. **42**
Max. Size: 5,000 tons. *Fuel:* Available.

Abau, Papua New Guinea: 10.11 S. 148.46 E. **45**

Abbeville, France: 50.06 N. 1.50 E. **7**

Abbot Point, Qld., Australia: 19.52 S. 148.05 E. **49**
Max. Size: LOA 297 m. Beam 47.5 m. Depth in approaches 17.2 m. Depth alongside 19.4 m. *Fuel:* Not available.
Airport: Townsville, 210 km.

Abemama Is., Kiribati: 0.21 N. 173.52 E. **48**

Aberaeron, U.K.: 52.15 N. 4.15 W. **5**

Aberdeen, U.K.: 57.09 N. 2.03 W. **5**
Max. Size: 525 ft. (160 m.) LOA, 80 ft. (24.4 m.) beam and draft 30 ft. 6 in. (9.3 m.). A vessel length 166 m. has been handled. *Dry Docks:* Capacity 1,000 tons.
Airport: International at Dyce.

Aberdeen, Washington, U.S.A.: 46.59 N. 123.49 W. **56, 57**

Aberdovey, U.K.: 52.32 N. 4.03 W. **5**

Aberystwyth, U.K.: 52.24 N. 4.05 W. **5**

Abiang Is., Kiribati: 1.49 N. 172.57 E. **48**

Abidjan, Ivory Coast: 5.18 N. 4.00 W. **29**
Max. Size: 243 m. LOA. At present max. draft 33 ft. Tankers: See Port Bouet. *Fuel:* 1500 secs. available.
Airport: Local, international.

Abo, see Turku.

Abonnema, Nigeria: 4.44 N. 6.46 E. **28**
Max. Size: See Degema.

Aboshi, Japan: 34.45 N. 134.35 E. **44**
Max. Size: Draft 9 m. LOA 180 m. *Fuel, etc.:* See Himeji.

Abouklr Bay, Egypt **26**

Abrolhos Is., Brazil: 17.58 S. 38.42 W. **72**

Abu Al Abyad, U.A.E. **35**

Abu Al Bukhoosh, U.A.E.: 25.26 N. 53.08 E. **35**
Max. Size: 270,000 d.w.t. Draft 22.5 m. *Fuel:* Not available.

Abu Ali, Saudi Arabia: 27.20 N. 49.27 E. **35**

Abu Dhabi, see Mina Zayed.

Abu Flus, Iraq: 30.27 N. 48.01 E. **35**

Abu Kammash, Libya: 33.05 N. 11.50 E. **24**
Max. Size: Depth 3.5 m.

Abu Musa, U.A.E.: 25.50 N. 55.05 E. **35**

Abu Rudeis, Egypt: 28.55 N. 33.12 E. **32**

Abu Zenima, Egypt: 29.02 N. 33.06 E. **32**

Abulog, Luzon, Philippines: 18.27 N. 121.28 E. **46**
Max. Size: Anchorage Port. See also Aparri.

Aburatsu, Japan: 31.35 N. 131.24 E. **44**

Acajutla, El Salvador: 13.35 N. 89.50 W. **69**
Max. Size: Draft 12 m. Tankers: Sea-line berth: Depth 15 m.
Fuel: Diesel and bunker "C" in limited quantities.
Airport: El Salvador International, 134 km.

Acapulco, Mexico: 16.50 N. 99.54 W. **57**
Max. Size: Draft 28 ft. 6 in. alongside. *Fuel:* Available.
Airport: International Airport 22 km. from port.

Acarau, Brazil: 3.00 S. 40.05 W. **72**

Accra, Ghana: 5.32 N. 00.12 W. **29**

Acevedo, Argentina: 33.18 S. 60.15 W. **75**

Achill Head, (Achill Is.), Eire: 53.59 N.10.15 W. **5**

Achladi, Greece: 38.53 N. 22.50. E. **25**
Max. Size: Draft 15.0 m. *Fuel:* Not available.

Acindar, see Acevedo.

Acireale, (Sicily), Italy: 37.35 N. 15.10 E. **24**

Acklins Is., Bahamas **69**

Acre, Israel: 32.55 N. 35.05 E. **26, 32**

Adabiyah, Egypt: 29.52 N. 32.28 E. **26, 33, 34**

Adak, Alaska, U.S.A.: 51.52 N. 176.38 W. **32**

Adalia, see Antalya.

Adamas, (Milos), Greece: 36.43 N. 24.26 E. **25, 26**
Max. Size: Draft 26 ft. *Fuel:* Small quantities of lubricants.

Adams, see Port Adams.

Adaut, Indonesia: 8.08 S. 131.07 E. **45**

Adda, Ghana: 5.44 N. 0.40 E. **29**

Addu Atoll **37**

Adelaide, S.A., Australia: 34.51 S. 138.30 E. **49, 50**
Max. Size: Inner Harbour – LOA 200 m., draft 31 ft. (9.4 m.) Neaps, 34 ft. 6 in. (10.5 m.) Springs. Outer Harbour – LOA 945 ft. (288 m.), draft 39 ft. (11.9 m.) Springs. Tankers: Depth 11.0 m. *Fuel:* Available.
Airport: International, 8 miles.

Aden, Yemen: 12.48 N. 44.54 E. **1, 31, 32**
Max. Size: Aden: Longest vessel to enter 940 ft. Little Aden Refinery: Summer deadweight 65,000 tons. *Fuel:* Marine fuel, diesel, gas oil. *Dry Dock:* Floating dock capacity 4,500 tons, draft 6 m. *Airport:* International – 5 miles.

Adi Is., Irian Jaya, Indonesia **45**

Adirampattinam, India: 10.22 N. 79.23 E. **37**

Adjim, Tunisia: 33.48 N. 10.48 E. **24**

Adler, U.S.S.R.: 43.27 N. 39.54 E. **26**

Admiralty Islands, see Lorengau.

Admiralty Peninsula, Novaya Zemlya, U.S.S.R. **16**

Adra, Spain: 36.44 N. 3.02 W. **22**

Adriatic Sea **21, 24**

Aegean Sea **21, 24, 25, 26**

Aegina I., Greece: 37.45 N. 23.26 E. **25**

Aeolian Is., Italy **24**

Aero Is., Denmark **10, 11**

Aeroskobing, Denmark: 54.54 N. 10.25 E. **10, 11**
Max. Size: LOA 80 m., beam 17 m., draft 4.5 m.
Fuel: Available. *Dry Dock:* 1 slipway – 350 tons.
Airport: Nearest Odense.

Afognak Is., (Aleutian Is.), U.S.A. **54**

Afua, Brazil: 0.12 S. 50.21 W. **72**

Agadir, Morocco: 30.25 N. 9.38 W. **21, 27**
Max. Size: LOA 190 m., draft 29 ft. *Fuel:* Fuel and gas oil.
Airport: Connects with Casablanca

Agalaga Is., Mauritius: 10.26 S. 56.40 W. **30**

Agats, Indonesia: 5.32 S. 137.59 E. **45**

Agattu Is., Alaska, U.S.A.: 52.26 N. 173.32 E. **54**

Agawa, Canada: 47.25 N. 84.50 W. **62**

Agde, France: 43.14 N. 3.28 E. **22**

Aghios Evstratios Is., Greece: 39.30 N. 24.59 E. **25**

Aghios Georgios, see Piraeus.

Aghios Konstandinos, Greece: 38.46 N. 22.52 E. **25**

Aghios Kosmos, see Piraeus.

Aghios Nikolaos, (Crete), Greece: 35.12 N. 25.43 E. **25, 26**
Max. Size: Up to 100 m. LOA and 9.0 m. draft in the port. At oil bunker installation outside port, vessels of any size.
Fuel: Small quantities by tank truck available.
Airport: Iraklion, 66 km.

Aghios Nikolaos, see Korisia.

Aghios Yeoriyos, Greece: 37.28 N. 23.56 E. **25**

Agia Marina, Greece: 38.54 N. 22.36 E. **25**
Max. Size: Draft 30 ft., see also Stylis.

Agia Trias, see Megara, Greece.

Agioi Theodoroi, Greece: 37.55 N. 23.05 E. **24, 25**
Max. Size: Draft 70 ft., 250,000 tons fully loaded.
Fuel: Fuel Oil/Diesel. *Dry Docks:* At Piraeus.

Agotnes, Norway: 60.25 N. 5.01 E. **10**
Max. Size: Depths up to 60 ft. at quayside. *Fuel:* Available.
Dry Docks: See Bergen. *Airport:* Bergen, 35 km.

Agria, Greece: 39.20 N. 23.01 E. **25**

Agrihan, Northern Marianas: 18.45 N. 145.40 E **45**

Agropoli, Italy: 40.22 N. 15.00 E. **24**

Agto, Greenland, (Denmark): 67.57 N. 53.44 W. **17**

Agua Amarga, Spain: 36.56 N. 1.57 W. **22**

Aguadilla, Puerto Rico: 18.26 N. 67.10 W. **69**
Max. Size: 600 ft. LOA, 36 ft. draft. Tankers: Depth 9 m. (30 ft.)
Airport: 20 minutes drive.

Aguadulce, Panama: 8.14 N. 80.30 W. **69**
Max. Size: Depth 3.3 m. (10 ft.) LW. *Fuel:* Not available.
Airport: Chitre, 60 km.

Aguanish, Quebec, Canada: 50.16 N. 62.04 W. **60**

Aguilas, Spain: 37.24 N 1.35 W. **22**
Max. Size: LOA up to 160 m., draft about 29 ft.
Fuel: Not available. *Airport:* Nearest Madrid.

Aguirre, see Jobos.

Ahmed Bin Rashid, U.A.E.: 25.35 N. 55.35 E. **35**
Max. Size: LOA 210 m. draft 9.8 m. *Fuel:* Available.
Airport: Dubai and Sharjah within 100 km.

Ahmedi, see Hodeidah.

Ahurei, (Rapa Is.), French Polynesia: 27.36 S. 144.19 W. **48**

Ahus, Sweden: 55.56 N. 14.19 E. **10**
Max. Size: LOA 160 m., draft 7.7 m. *Fuel:* Available.
Dry Docks: See Solvesborg. *Airport:* 10 miles.

Aidipsos Spas, Greece: 38.51 N. 23.03 E. 25
Aigiali, Greece: 36.54 N. 25.59 E. 25
Ailingalaplap, Marshall Is., (U.S.A.): 7.25 N. 168.50 E. 48
Aimere, Indonesia: 8.45 S. 120.41 E. 45
Ain Sukhna, Egypt: 29.32 N. 32.24 E. 32
Max. Size: Up to 285,000 d.w.t., 75 ft. draft.
Fuel: Not available.
Ainazi, U.S.S.R.: 57.51 N. 24.24 E. 10
Ainoura, Japan: 33.11 N. 129.38 E. 44
Aioi, Japan: 34.46 N. 134.28 E. 44
Max. Size: LOA 350 m., draft 7.5 m. (LW).
Fuel: Lightered from nearest bunker stock ports at max. 7 days prior notice. *Dry Docks:* Max. capacity 300,000 d.w.t.
Airport: Osaka (Itami).
Aion Is., U.S.S.R.: 69.50 N. 169.00 E. 54
Airbangis, Indonesia: 00.12 N. 99.23 E. 38
Aitape, Papua New Guinea: 3.08 S. 142.21 E. 45
Max. Size: Depth 4.3 m. (14 ft.) LAT. *Fuel:* Small quantities available. *Airport:* 1 mile, connects Wewak.
Aitutaki Is., see Arutunga.
Aiyina, Greece: 37.45 N. 23.26 E. 25
Aiyion, Greece: 38.15 N. 22.05 E. 25
Ajaccio, (Corsica), France: 41.55 N. 8.44 E. 21, 24
Max. Size: LOA 200 m., draft 7 m. At anchor, no limit. Tankers: LOA 110 m., draft. 6 m. *Fuel:* All grades available (48 hrs. notice). *Dry Docks:* None. *Airport:* 8 km.
Ajman, U.A.E.: 25.25 N. 55.28 E. 35
Max. Size: Draft 5 m.
Ajos, see Kemi.
Akantias, see Rhodes.
Akaroa, New Zealand: 43.48 S. 172.58 E. 52
Akassa, Nigeria: 4.19 N. 6.04 E. 28
Akhtari, see Primorsko Akhtarsk.
Akhtopol, Bulgaria: 42.05 N. 27.57 E. 26
Aki, Japan: 33.30 N. 133.55 E. 44
Aki Sea, (Inland Sea), Japan 44
Akimiski Is., N.W. Territories, Canada: 52.50 N. 81.30 W. 59
Akita, Japan: 39.45 N. 140.03 E. 42
Max. Size: Min. depth in fairway 10.0 m. (LW). At anchorage 20.0 m. Max. berthing size 50,000 g.r.t. *Fuel:* Available.
Airport: 20 km.
Akkeshi, Japan: 43.03 N. 144.52 E. 42
Akko, see Acre.
Akonnelmi, see Vankas.
Akpatok Is., N.W. Territories, Canada: 60.30 N. 68.00 W. 59
Akra, Norway: 59.47 N. 6.07 E. 10
Akranes, Iceland: 64.20 N. 22.05 W. 17
Akrotiri, Cyprus: 34.36 N. 32.57 E. 26
Akureyri, Iceland: 65.41 N. 18.03 W. 17
Max. Size: Depth at LW 6.5 m. Tankers: Depth 6 m.
Fuel: Available. *Dry Docks:* 2 patent slips, max. 3,000 g.r.t.
Airport: 2 km.
Akutan, Alaska, U.S.A.: 54.08 N. 165.48 W. 54
Akyab, Myanmar: 20.09 N. 92.55 E. 38
Al Bakr, Iraq: 29.41 N. 48.49 E. 35
Max. Size: LOA 366 m., draft. 21 m. (1980)
Al Bayda, Libya: 32.48 N. 21.38 E. 24
Al Bu Ayrat, Libya: 31.25 N. 15.45 E. 24
Al Hawra, Yemen: 13.50 N. 47.35 E. 31
Al Hoceima, Morocco: 35.17 N. 3.55 W. 22
Al Khabura, Oman: 23.59 N. 57.08 E. 35
Al Khaluf, Oman: 20.30 N. 57.50 E. 31
Al Khobar, Saudi Arabia: 26.17 N. 50.13 E. 35
Max. Size: Depth 3.4 m. *Airport:* Dhahran.
Al Khor, Qatar: 25.35 N. 51.32 E. 35
Al Khums, Libya: 32.38 N. 14.15 E. 24
Al Khuraibah, Saudi Arabia: 28.04 N. 35.10 E. 32
Al Laith, Saudi Arabia: 20.09 N. 40.16 E. 32
Al Marj, Libya: 32.23 N. 20.28 E. 24
Al Qadimah, Saudi Arabia: 22.21 N. 39.05 E. 32
Max. Size: Depth 13.0 m. – 14.0 m.
Fuel: Not available.
Al Qahmah, Saudi Arabia: 18.01 N. 41.41 E. 32
Al Qatif, Saudi Arabia: 26.33 N. 50.01 E. 35
Al Qunfudah, Saudi Arabia: 19.05 N. 41.04 E. 32
Al Qusayr, see Quseir.
Al Udayd, U.A.E.: 24.37 N. 51.25 E. 35
Al Ugayr, Saudi Arabia: 25.39 N. 50.13 E. 35
Al Uqaylah, Libya: 30.12 N. 19.12 E. 24
Al Wajh, Saudi Arabia: 26.12 N. 36.28 E. 32
Ala, see Vallvik.
Alabama, U.S.A. 66
Alacati, Turkey: 38.15 N. 26.20 E. 25, 26
Alamagan, Northern Marianas: 17.38 N. 145.50 E. 45
Alameda, California, U.S.A.: 37.48 N. 122.17 W. 57, 58
Max. Size: Depth 35 ft.
Aland, Finland: 60.15 N. 20.00 E. 9, 10
Alanya, Turkey: 36.32 N. 32.03 E. 26
Max. Size: Depth 8 m. – 12 m. *Airport:* Antalya, 150 km.
Alaska, U.S.A. 54
Alassio, Italy: 43.59 N. 8.08 E. 24
Alba, see Sitra.
Albakr Terminal, Iraq: 29.41 N. 48.49 E. 35
Max. Size: LOA 366 m., draft 21 m. (1980).
ALBANIA 21, 24, 25
Albany, W.A., Australia: 35.02 S. 117.53 E. 49
Max. Size: Draft 11.5 m., LOA 200 m. Tankers: Draft 11.5 m.
Fuel: Light marine diesel. *Airport:* 11 km., Domestic.
Albany, New York, U.S.A.: 42.40 N. 73.45 W. 60, 63
Max. Size: LOA 750 ft., beam 110 ft., draft 30 ft. Turning basin 1,100 ft. in width. *Airport:* 7 miles.
Albatross Bay, see Weipa.
Albemarle Sound, North Carolina, U.S.A. 63
Alberni, see Port Alberni, Canada.
Albert, see Port Albert.
Alberton, (Prince Edward Is.), Canada: 46.48 N. 64.03 W. 60
Albina, Suriname: 5.37 N. 54.15. W. 72
Alboran Is., Spain: 35.58 N. 3.00 W. 22
Albufeira, Portugal: 37.05 N. 8.15 W. 20
Alcasa, see Punta Cuchillo.
Alcudia, (Majorca), Spain: 39.51 N. 3.08 E. 22
Max. Size: Depth 5.9 m. *Fuel:* Diesel available.
Airport: Palma.
Aldabra Is., Seychelles: 9.26 S. 46.25 E. 30
Aldeburgh, U.K.: 52.09 N. 1.35 E. 7
Alderney, (Channel Islands), U.K. 7, 19
Alegre, see Porto Alegre.
Aleria, (Corsica), France: 42.06 N. 9.27 E. 24
Alesund, Norway: 62.27 N. 6.09 E. 9, 15
Max. Size: Depth 4 m. – 16 m. *Fuel:* Available at berths.
Dry Docks: Largest 8,000 tons. *Airport:* Alesund Airport, Vigra.
Aleutian Islands, Alaska, U.S.A. 36, 53, 54
Alexander, see Port Alexander.
Alexander Archipelago, Alaska, U.S.A. 56
Alexander Bay, South Africa: 28.35 S. 16.33 E. 29
Alexander Selkirk Is., Chile: 33.45 S. 80.45 W. 72
Alexandre, see Porto Alexandre.
Alexandretta, see Iskenderun.
Alexandria, Egypt: 31.09 N. 29.53 E. 21, 26
Max. Size: Up to 32 ft. draft. Tankers: Depth 38 ft. Also see Dekheila. *Fuel:* Available by barge.
Dry Docks: Largest 85,000 d.w.t.
Alexandria, Virginia, U.S.A.: 38.48 N. 77.03 W. 55, 63, 65
Max. Size: Draft 22 ft. 6 in. *Fuel:* Not available.
Airport: 3 miles, Washington National.
Alexandria Bay, New York, U.S.A.: 44.21 N. 75.53 W. 61
Alexandroupolis, Greece: 40.51 N. 25.54 E. 25, 26
Max. Size: Draft 18 ft. *Fuel:* Diesel oil from road tankers.
Airport: 5 km.
Alexandrovsk, U.S.S.R.: 50.53 N. 142.08 E. 42
Alfaques, see San Carlos, Spain.
Alfred, see Port Alfred, Canada or South Africa.
Algeciras, Spain: 36.08 N. 5.26 W. 20, 21, 22
Max. Size: Draft 14.0 m. Tankers: LOA 315 m., draft 60 ft. Monobuoy: Depth of water 60 m. Designed for vessels up to 500,000 d.w.t. *Fuel:* Fuel oil and gas oil.
Airport: Malaga, 120 km. and Gibraltar.
ALGERIA 21, 22, 24
Alghero, (Sardinia), Italy: 40.35 N. 8.18 E. 24
Algiers, Algeria: 36.50 N. 3.00 E. 21, 22
Max. Size: Draft 38 ft., 25,000 tons. *Fuel:* Available.
Dry Docks: 136 m. long, 18.5 m. wide, 8 m. deep.
Airport: Dar-el-Beida, 20 km.
Algoa Bay, see Port Elizabeth.
Algoma, Wisconsin, U.S.A.: 44.36 N. 87.27 W. 62
Algonac, Michigan, U.S.A.: 42.37 N. 82.31 W. 62
Alholmen, see Jakobstad.
Alhucemas, see Al Hoceima.
Aliaga, Turkey: 38.50 N. 26.57 E. 25, 26
Max. Size: 100,000 d.w.t. Depth: 17 m. – 18 m.
Fuel: Available. *Airport:* Izmir (Domestic).
Alibag, India: 18.38 N. 72.55 E. 37
Alican Point, see Siasi.
Alicante, Spain: 38.23 N. 00.28 W. 21, 22
Max. Size: Up to 225 m. LOA and 38 ft. draft. Tankers: 36,000 d.w.t., 10.7 m draft. *Fuel:* Available.
Airport: International, 8 km.
Alice Town, Bahamas: 25.45 N. 79.15 W. 69
Alice, see Port Alice.
Alicia, Mindanao, Philippines: 7.31 N. 122.57 E. 46
Alicudi Is., Italy: 38.33 N. 14.20 E. 24
Alimnia Is., Greece: 36.16 N. 27.43 E. 25
Aliverion, Greece: 38.23 N. 24.03 E. 25
Max. Size: 120,000 d.w.t., LOA 240 m. *Airport:* Athens.
Alkmaar, Netherlands: 52.38 N. 4.45 E. 7
Allardyce Harbour, Solomon Is.: 7.49 S. 158.39 E. 48

Allen, see Port Allen, Hawaii or Louisiana.

Alleppey, India: 9.29 N. 76.23 E. 37
Max. Size: Open roadstead. *Fuel:* Not available.
Dry Dock: None. *Airport:* Cochin, 62 km.

Alliance, Louisiana, U.S.A.: 29.40 N. 89.58 W. 67

Allinge, Denmark: 55.17 N. 14.48 E. 10

Alma, New Brunswick, Canada: 45.36 N. 64.58 W. 60

Alma, see Port Alma.

Almeria, Spain: 36.52 N. 2.30 W. 22
Max. Size: Draft 39 ft. inner port and 43 ft. outer port.
Fuel: Fuel oil and gas oil available. *Airport:* 6 km.

Almirante, Panama: 9.18 N. 82.23 W. 69
Max. Size: Draft 9.2 m. *Fuel:* Not available.
Airport: Changuinola 21 km., connects with Panama City.

Almirante Barrosso Terminal, see Sao Sebastiao.

Almirante Soares Dutra Terminal, see Tramandai.

Alno Is., Sweden, see Hovid.

Alofi, Niue I., (New Zealand): 19.02 S. 169.55 W. 48

Alor Is., Indonesia: 8.15 S. 124.30 E. 45

Alor Setar, Malaysia: 6.07 N. 100.21 E. 38, 39

Alotau, Papua New Guinea: 10.19 S. 150.27 E. 45
Max. Size: LOA 130 m., draft 20 ft. *Fuel:* Available by road tanker. *Airport:* Domestic, 20 km.

Alpena, Michigan, U.S.A.: 45.05 N. 83.25 W. 62

Alphonse I., Seychelles: 7.15 S. 52.45 E. 30

Alsancak, see Izmir.

Alta, Norway: 69.58 N. 23.15 E. 15

Altagracia, see La Estacada.

Altamira, Brazil: 3.12 S. 52.25 W. 72

Altata, Mexico: 24.34 N. 107.58 W. 57

Altea, Spain: 38.34 N. 0.03 W. 22

Altona, Germany: 53.33 N. 9.56 E. 8, 10
Max. Size: See Hamburg.

Alucroix, see Port Alucroix.

Alula, Somalia: 11.57 N. 50.45 E. 31

Alumar, Brazil: 2.40 S. 44.21 W. 72
Max Size: Depth 7 m. – 11 m. *Fuel:* Available by barge.

Alushta, U.S.S.R.: 44.40 N. 34.25 E. 26

Alusi, Indonesia: 7.37 S. 131.38 E. 45

Alvarado, Mexico: 118.48 N. 95.45 W. 69

Alvear, Uruguay: 29.04 S. 56.31 W. 72

Alvik, Norway: 60.26 N. 6.24 E. 10
Max. Size: Depth 7.5 m.

Alvik, Sweden, see Hovid.

Ama, Louisiana, U.S.A.: 29.56 N. 90.18 W. 67
Max. Size: Berth length about 550 ft. See also New Orleans.
Fuel: By barge.

Amagasaki, Japan: 34.42 N. 135.24 E. 42, 43, 44
Max. Size: LOA 230 m., draft 11.70 m. Tankers: LOA 198 m., draft 10.6 m. *Fuel:* Lightered from nearest bunker stock ports. *Airport:* Osaka, 15 miles (International).

Amager Is., Denmark 10, 11

Amakusa Is., Japan 44

Amal, Sweden: 59.05 N. 12.45 E. 10

Amalfi, Italy: 40.38 N. 14.35 E. 24

Amamapare, Indonesia: 4.56 S. 137.07 E. 45

Amami Is., Japan 41, 45

Amapala, Honduras: 13.18 N. 87.39 W. 69
All cargo operations transferred to San Lorenzo.

Amasra, Turkey: 41.43 N. 32.28 E. 26

Ambalangoda, Sri Lanka: 6.15 N. 80.05 E. 37

Ambarchik, U.S.S.R.: 69.39 N. 162.18 E. 54

Ambarli Terminal, Turkey: 40.58 N. 28.42 E. 25
Max. Size: 250,000 d.w.t. (offshore).

Ambes, see Bec d'Ambes.

Amboim, see Porto Amboim.

Ambon, Indonesia: 3.41 S. 128.10 E. 45
Max. Size: Draft 11.0 m. *Fuel:* Diesel and marine fuel.
Dry Dock: Floating dock, capacity 2,000 d.w.t.
Airport: 7 miles.

Ambriz, Angola: 7.49 S. 13.07 E. 29

Ambrose Tower, New York, U.S.A.: 40.28 N. 73.50 W. 63

Ambryn Is., Vanuatu: 16.15 S. 168.09 E. 48

Amchitka Is., (Aleutian Islands), Alaska, U.S.A.:
51.30 N. 179.00 E. 54

Amchitka Passage, Aleutian Islands 54

Amderma, U.S.S.R.: 69.45 N. 61.50 E. 16

Amelia, see Pemba.

AMERICAN SAMOA 48

Amesville, Louisiana, U.S.A.: 29.54 N. 90.07 W. 67
Max. Size: Depth 34 ft. Also see New Orleans.

Amfilokhia, Greece: 38.52 N. 21.10 E. 25

Amfipolis, Greece: 40.48 N. 23.52 E. 24, 25

Amgu, U.S.S.R.: 45.44 N. 137.15 E. 42

Amherst, see Kyaikkami.

Amherst, Nova Scotia, Canada: 45.50 N. 64.03 W. 60

Amherst Harbour, see Havre Aupert.

Amherstburg, Ontario, Canada: 42.06 N. 83.08 W. 62
Max. Size: About 432 ft. LOA and 21 ft. draft.
Fuel: By truck only. *Dry Dock:* None.
Airport: Windsor Airport, 20 miles.

Amini Is., (Laccadive Is.), India: 11.07 N. 72.45 E. 37

Amirante Is., Seychelles: 5.30 S. 53.20 E. 30

Amlia Is., (Aleutian Islands), Alaska, U.S.A. 54

Amolle, see Kongsdal.

Amorgos Is., Greece: 36.50 N. 25.57 E. 25

Amoy, see Xiamen.

Ampenan, Indonesia: 8.34 S. 116.04 E. 38
Max. Size: Anchorage – no restriction.
See also Labuantring Bay.

Amrum Is., (North Frisian Is.), Germany: 54.38 N. 8.23 E. 10

Amsterdam, Netherlands: 52.22 N. 4.54 E. 7, 8
Max. Size: Vessels have to pass locks at Ijmuiden. Dimensions of Northern Lock (biggest): 400 m. long, 50 m. wide, 15 m. deep. Draft 43 ft. – 45 ft. (SW). *Fuel:* All grades available. *Dry Docks:* Capacity 72,000 d.w.t.
Airport: 15 km.

Amuay Bay, Venezuela: 11.46 N. 70.15 W. 69, 72, 73
(incl. Punto Fijo: 11.50 N. 70.15 W.)
Max. Size: LOA 1,000 ft., draft 43 ft. *Fuel:* All grades.

Amukta Is., (Aleutian Islands), Alaska, U.S.A. 54

Amukta Pass, Aleutian Is., U.S.A. 54

Amurang, Indonesia: 1.13 N. 124.33 E. 45

Ana Chaves, see Sao Tome.

Anacortes, Washington, U.S.A.: 48.31 N. 122.36 W. 55, 56
Max. Size: Depth 44 ft. Tankers: Depth 45 ft.
Fuel: Available. *Dry Docks:* Synchrolift, capacity 5,250 tons.
Airport: 75 miles, Seattle International.

Anadolu, Turkey: 41.05 N., 29.04 E. 25

Anadyr, U.S.S.R.: 64.44 N. 177.31 E. 54

Anadyrskiy Bay, Siberia, U.S.S.R. 54

Anafi Is., Greece: 36.22 N. 25.48 E. 25

Anahuac, see Tampico.

Anakan, see Gingoog.

Analalava, Madagascar: 14.38 S. 47.46 E. 30

Anamba Is., Indonesia 38

Anamur, Turkey: 36.04 N. 32.51 E. 26

Anan, Japan: 33.52 N. 134.40 E. 44
Max. Size: Draft 10.50 m. Wharf length 200 m.
Fuel: By barge from Hanshin area only.

Anapa, U.S.S.R.: 44.54 N. 37.20 E. 26

Anatahan, Northern Marianas: 16.23 N. 145.40 E. 45

Anching, see Anqing.

Anchorage, Alaska, U.S.A.: 61.12 N. 150.00 W. 54
Max. Size: All berths 35 ft. depth. MLLW.
Fuel: All grades. *Airport:* 5 miles.

Ancon, see La Pampilla.

Ancona, Italy: 43.37 N. 13.32 E. 21, 24
(incl. API Sea Terminal: 43.45 N. 13.31 E.)
Max. Size: Ancona: Up to 250 m. LOA, depths of water up to 12.5 m. Tankers: Over 300,000 d.w.t. at Sea Terminal.
Fuel: All grades available. *Dry Docks:* Floating – 1,000 g.r.t.
Airport: Falconara, 10 km.

Andaman Islands 38

Andaman Sea 38

Andenes, Norway: 69.19 N. 16.09 E. 9, 15

Andevoranto, Madagascar: 18.54 S. 49.08 E. 30

Andikithira, Greece: 35.50 N. 23.12 E. 24, 25

Andimilos Is., Greece: 36.47 N. 24.15 E. 25

Andipsara Is., Greece: 38.30 N. 25.32 E. 25

Andreanof Is., (Aleutian Islands), Alaska, U.S.A. 54

Andres, see Boca Chica.

Androka, Madagascar: 24.55 S. 44.00 E. 30

Andros Is., Bahamas 66, 69

Andros Is., Greece: 37.50 N. 24.57 E. 25, 26

Andros Town, (Andros Is.), Bahamas: 24.43 N., 77.48 W. 69

Androth Is., (Laccadives), India: 10.45 N. 73.38 E. 37

Anecho, Togo: 6.13 N. 1.34 E. 28

Anegada Is., British Virgin Is., (U.K.): 18.45 N. 64.20 W. 69

Anegada Passage 69

Aneityum Is., Vanuatu: 20.15 S. 169.45 E. 48

Anewa Bay, Papua New Guinea: 6.11 S. 155.33 E. 45
Max. Size: Draft 12 m. (40 ft.), LOA 885 ft. *Fuel:* Small quantities gas oil only. *Airport:* Aropa, 32 km. (domestic).

Angaur Is., Caroline Is., (U.S.A.): 6.55 N. 134.09 E. 45

Angel, see Puerto Angel.

Angel De La Guarda Is., Mexico: 29.30 N. 113.30 W. 57

Angeles, see Port Angeles.

Angelholm, Sweden: 56.16 N. 12.55 E. 11

Angholmen, Sweden: 57.57 N. 11.34 E. 11

Angle Bay, see Milford Haven.

Anglesey, U.K.: 53.15 N. 4.30 W. 5

Angmagssalik, Greenland, (Denmark): 65.35 N. 37.25 W. 17

Ango Ango, see Matadi.

Angoche, Mozambique: 16.18 S. 39.54 E. 30

ANGOLA 29

Angra, (Terceira Is.), Azores, (Portugal): 38.35 N. 27.10 W. . . . 20

Angra Dos Reis, Brazil: 23.01 S. 44.19 W. 72
Max. Size: Draft 9 m.
Tankers: See Baia do Ilha Grande Marine Terminal.
Fuel: No facilities for supplying large vessels.

Anguilla Is., (U.K.) 69

Anholt Is., Denmark: 56.43 N. 11.32 E. 10, 11

Aniva Bay, Sakhalin Is., U.S.S.R. 42

Anjouan Is., see Mutsamudu.

Annaba, Algeria: 36.58 N. 7.47 E. 21, 22
Max. Size: LOA 656 ft., draft 33 ft. Tankers: Draft 39 ft.
Fuel: Available.

Annan, U.K.: 54.58 N. 3.16 W. 5

Annapolis, Maryland, U.S.A.: 38.59 N. 76.29 W. 63, 65

Annapolis Royal, Nova Scotia, Canada: 44.45 N. 65.31 W. . . . 60

Annobon Is., see Pagalu.

Annotto Bay, Jamaica: 18.17 N. 76.48 W. 69

Anoa Natuna Terminal, Indonesia: 5.14 N. 105.36 E. 38

Anqing, China: 30.31 N. 117.02 E. 41
Max. Size: Draft 4.5 m. *Fuel:* Not available.

Anstruther, U.K.: 56.13 N. 2.43 W. 5

Ansudu, Indonesia: 2.10 S. 139.20 E. 45

Antalaha, Madagascar: 14.53 S. 50.18 E. 30

Antalya, Turkey: 36.52 N. 30.46 E. 25, 26
Max. Size: Depth 10 m. *Airport:* Antalya, 22 km.

Antan Terminal, Nigeria: 4.13 N. 8.20 E. 28
Max. Size: 100,000 d.w.t. – 270,000 d.w.t. No draft restriction.

Antibes, see Port Vauban

Anticosti Is., Quebec, Canada 60

Antifer, France: 49.40 N. 00.08 E. 7
Max. Size: 555,000 d.w.t., draft 28.8 m. *Fuel:* All grades.
Airport: Le Havre, 7 km.

Antigonish, Nova Scotia, Canada: 45.38 N. 61.59 W. 60

Antigua, (U.K.) 69

Antilla, Cuba: 20.50 N. 75.44 W. 69
(incl. Preston: 20.46 N. 75.40 W., Felton: 20.45 N. 75.36 W., and Nicaro: 20.43 N. 75.33 W.)
Max. Size: Draft 21 ft. fwd., 23 ft. aft, LOA 557 ft.
Tankers: LOA 610 ft. *Fuel:* Not available.
Sub-port Preston: *Max. Size:* Draft 25 ft. even keel.
Sub-port Nicaro: *Max. Size:* Draft 28 ft. fwd., 29 ft. aft. LOA 510 ft.
Sub-port Felton: *Max. Size:* LOA 557 ft., draft 28 ft.

Antimonan, Luzon, Philippines: 14.00 N. 121.55 E. 45, 46
Max. Size: LOA 650 ft., beam 100 ft., draft 44 ft.
Fuel: Not available.

Antipodes Is., New Zealand: 49.42 S. 178.50 E. 52

Antofagasta, Chile: 23.39 S. 70.25 W. 72
(incl. La Chimba: 20.33 S. 70.25 W.)
Max. Size: LOA 220 m. Draft 35 ft. 09 in. Tankers: Length 235 m., draft 60 ft. La Chimba: LOA 110 m., draft 27 ft.
Fuel: Fuel and diesel oil. *Airport:* Cerro Moreno, 28 km.

Antongil Bay, Madagascar 30

Antonio, see Port Antonio.

Antonio Benes, see Angoche.

Antongo, Madagascar: 21.00 S. 43.45 E. 30

Antonina, Brazil: 25.26 S. 48.41 W. 72
Max. Size: Drafts: Springs: HW 21 ft., Neaps: HW 18 ft., LW: 15 ft. *Fuel:* Available by road tanker.
Airport: Curitiba 65 km., Paranagua 50 km.

Antsiranana, Madagascar: 12.14 S. 49.26 E. 30
Max. Size: Draft 11 m. *Fuel:* Not available.
Dry Docks: 199 m.×28.4 m.×depth at sill 10.4 m. (MHWS).
Airport: 8 miles.

Antwerp, Belgium: 51.14 N. 4.23 E. 7, 8
Max. Size: Draft 49 ft. *Fuel:* All grades available.
Dry Dock: LOA up to 312 m., beam up to 50 m.
Airport: Zaventem, 50 km.

Anuchino, U.S.S.R.: 51.50 N. 143.10 E. 42

Anutka Passage, Aleutian Islands, Alaska, U.S.A. 54

Anyer, Indonesia: 6.00 S. 105.57 E. 38

Anzio, Italy: 41.25 N. 12.35 E. 24

Aoga Is., Japan: 32.26 N. 139.47 E. 45

Aokata, Japan: 32.59 N. 129.02 E. 44
Max. Size: Over 200,000 d.w.t.

Aomori, Japan: 40.52 N. 140.45 E. 42
Max. Size: LOA 260 m., draft 7.0 m.
Tankers: LOA 260 m., draft 12.0 m.
Fuel: By barge from nearest stock port (Hakodate).

Apalachicola, Florida, U.S.A.: 29.43 N. 84.59 W. 66

Apapa, see Lagos.

Aparri, Luzon, Philippines: 18.22 N. 121.38 E. 45, 46
Max. Size: Depths in anchorages 66 ft. Port Irene 39 ft. Maconacon 42 ft. Divilacan 66 ft. *Fuel:* Diesel, gasoline and kerosene. *Airport:* Tuguegarao, 3 flights weekly.

Apataki, French Polynesia: 15.28 S. 146.18 E. 48

Api Api, Indonesia: 2.17 S. 104.50 E. 38

Apia, Western Samoa: 13.50 S. 171.45 W. 48
Max. Size: Vessels up to 800 ft. LOA, draft 35 ft.
Tankers up to 32,000 d.w.t. *Fuel:* Light diesel only.
Airport: International, 25 miles.

Apollo Bay, Victoria, Australia: 38.46 S.143.40 E. 49, 50

Apollonia, Sifnos Is., Greece: 36.57 N. 24.44 E. 5

Apollonia, See Marsa Susah.

Apostle Is., Wisconsin, U.S.A. 62

Appledore, U.K.: 51.03 N. 4.12 W. 5

Appleton, Wisconsin, U.S.A.: 44.16 N. 88.24 W. 62

Apra Harbour, Guam, (U.S.A.): 13.26 N. 144.39 E. 45
Max. Size: LOA 230 m., depth 10.97 m. (HW). Max. beam for container vessels 33.55 m. *Fuel:* Available.

Aqaba, Jordan: 29.31 N. 35.01 E. 21, 32
Max. Size: Up to 20,000 d.w.t., draft 32 ft. cargo berths and 100,000 d.w.t. and 50 ft. draft for the phosphate loading berth. *Tankers:* Max. LOA 340 m., no draft restriction.
Fuel: Fuel oil and diesel oil.
Airport: Links with Amman International 355 km. away.

Aqiq, Sudan: 18.14 N. 38.12 E. 32

Aquin, Haiti: 18.15 N. 73.22 W. 69

Arabian Gulf 31, 35

Arabian Sea 1, 31, 35

Aracaju, Brazil: 10.55 S. 37.03 W. 72
Max. Size: Depth 7 m. alongside. Tankers: See Carmopolis.
Airport: 13 km.

Aracati, Brazil: 4.32 S. 37.46 W. 72

Arachon, France: 44.35 N. 1.10 W. 8, 19

Aracruz, Brazil: 19.40 S. 40.06 W. 72

Arafura Sea 45, 49

Aran Is., Eire: 53.06 N. 9.40 W. 5

Aransas, see Port Aransas.

Aransas Pass, Texas, U.S.A.: 27.56 N. 97.10 W. 66, 69

Aranuka Is., Kiribati: 0.11 N. 173.30 E. 48

Aratu, Brazil: 12.47 S. 38.30 W. 72
Max. Size: Bulk: 65,000 d.w.t. Tankers: 45,000 d.w.t. Gas: 20,000 d.w.t. *Dry Docks:* Up to 45,000 d.w.t. *Fuel:* Available. *Airport:* Salvador, 43 km.

Arawak Cay, see Nassau.

Arawe Harbour, Papua New Guinea: 6.11 S. 149.04 E. 45

Araya, Venezuela: 10.36 N. 64.16 W. 74

Arbatax, (Sardinia), Italy: 39.57 N. 9.42 E. 24
Max. Size: LOA 200 m., draft 25 ft. *Fuel:* Available.

Arboga, Sweden: 59.25 N. 15.51 E. 10

Arbroath, U.K.: 56.33 N. 2.35 W. 5
Max. Size: LOA 65 m., draft 4 m. *Fuel:* Diesel.
Dry Docks: None. *Airport:* Dundee, 29 km.

Arcachon, France: 44.40 N. 1.10 W. 19

Archangel, U.S.S.R.: 64.34 N. 40.30 E. 16
Max. Size: Depths alongside up to 9.6 m. *Fuel:* Gas oil and marine diesel fuel. *Dry Docks:* Floating docks, capacity up to 7,000 tons. *Airport:* Airport near town, served by regular airlines.

Archer River, see Aurukun.

Arctic Ocean 9, 14, 15, 16, 17, 54

Ardal, Norway: 61.14 N. 7.42 E. 15
Max. Size: Depths alongside up to 40 ft.
Airport: Sogndal, 1.5 hours by ferry.

Ardalstangen, see Ardal.

Ardavasar, U.K.: 57.04 N. 5.54 W. 5

Ardglass, U.K.: 54.16 N. 5.37 W. 5

Ardjuna, Indonesia: 5.54 S. 107.57 E. 45
Max. Size: Up to 200,000 d.w.t., draft 30.20 m.
Fuel: Not available. *Airport:* Jakarta.

Ardrishaig, U.K.: 56.01 N. 5.27 W. 5

Ardrossan, S.A., Australia: 34.26 S. 137.55 E. 49, 50
Max. Size: 46,000 d.w.t. *Fuel:* Not available.

Ardrossan, U.K.: 55.38 N. 4.49 W. 5, 6
Max. Size: Eglinton Dock: Approx. 420 ft. by 57 ft. by 16 ft./18 ft. Tankers: LOA 575 ft., up to 70 ft. beam – draft 23 ft./26 ft.; over 70 ft. beam – draft 22 ft./25 ft. *Fuel:* By road.
Airports: Prestwick 18 miles. Glasgow 25 miles.

Arecibo, Puerto Rico: 18.29 N. 66.42 W. 69
Max. Size: Depth 20 ft.

Areia Branca, Brazil: 4.50 S. 37.03 W. 72
Max. Size: Depth 12 m. *Fuel:* Diesel oil only.
Airport: Natal and Fortaleza, 300 km.

Arendal, Norway: 58.28 N. 8.46 E. 9, 10
Max. Size: Depth 15 ft. – 33 ft. *Fuel:* Available.
Airport: Kjevik, 60 km.

Argentia, Newfoundland, Canada: 47.18 N. 53.59 W. 60

ARGENTINA 72, 75

Argostoli, Cephalonia, Greece: 38.12 N. 20.29 E. 21, 24, 25
Max. Size: Up to 19 ft. draft. *Fuel:* Yachts only.

Arguineguin, Grand Canary, Canary Islands, (Spain): 27.45 N. 15.40 W. 27
Max. Size: Depth to 8.5 m. (LW). *Airport:* 40 km.

Arhus, see Aarhus.

Arica, Chile: 18.28 S. 70.20 W. 72
Max. Size: LOA 213 m., draft 34 ft. Tankers: Draft 43 ft. – 45 ft.
Fuel: Diesel oil by truck. *Airport:* Domestic, 7 miles.
Arichat, Nova Scotia, Canada: 45.31 N. 61.02 W. 60
Arild, Sweden: 56.16 N. 12.35 E. 11
Arinagour, U.K.: 56.37 N. 6.32 W. 5
Arlos, see Puerto Cortes.
Arisaig, U.K.: 56.54 N. 5.52 W. 5
Arklow, Eire: 52.47 N. 6.08 W. 5
Arkoi Is., Greece: 37.23 N. 26.44 E. 25
Arkosund, Sweden: 58.29 N. 16.57 E. 10
Arkticheski Institi Is., U.S.S.R.: 75.15 N. 82.00 E. 16
Arles, France: 43.40 N. 4.37 E. 22
Arlington, see Queenscliff.
Armuelles, see Port Armuelles.
Arnhem, Netherlands: 51.58 N. 5.54 E. 7, 10
Arno, Marshall Is., (U.S.A.): 7.07 N. 171.40 E. 48
(incl. Majuro: 7.07 N. 171.10 E.)
Arnos Vale Bay, see Kingstown, St. Vincent.
Arorae Is., Kiribati: 2.34 S. 176.51 E. 48
Arosund, Denmark: 55.16 N. 9.43 E. 11
Arran Is., U.K. 5
Arrecife, Lanzarotte, Canary Islands, (Spain):
28.57 N. 13.33 W. 27
Max. Size: Draft 9 m. *Fuel:* Available.
Airport: Internal and Charter, 15 km.
Arroyo, see Las Mareas.
Ars, France: 46.13 N. 1.31 W. 19
Art Is., see Wala.
Arta, Greece: 39.10 N. 21.00 E. 24, 25
Arthur Kill, see New York.
Aru Is., Indonesia 45
Aruba, Netherland Antilles 69, 73
Arun Terminal, see Blang Lancang.
Arutunga, Aitutaki Is., Cook Is., (N.Z.): 18.52 S. 159.46 E. . . . 48
Arzannah Island, U.A.E.: 24.47 N. 52.33 E. 35
Max. Size: SBM 280,000 d.w.t., draft 43 ft.
Fuel: Not available.
Arzew, Algeria: 35.50 N. 00.08 W. 22
(incl. Arzew El Djedid: 35.48 N. 00.12 W.)
Max. Size: Depths: Dry cargo 8 m. LPG, LNG, oil and crude, 9.8 m. – 15.5 m. Sea Line Tanker Berth: Up to 100,000 tons. Arzew El Djedid: 250,000 d.w.t. *Fuel:* Available.
Airport: Oran (Es Senia). International – 50 km.
Arzew El-Djedid, see Arzew.
Asa, Denmark: 57.09 N. 10.26 E. 11
Asahan, see Tanjungbalai.
Ascension Island, (U.K.) 1, 18, 29, 68
Ashdod, Israel: 31.49 N. 34.39 E. 26, 32
Max. Size: Bulk Pier: Draft: Summer, 12.5 m. Winter, 12.0 m. Draft 9.8 m. at other piers.
Fuel: By truck or barges. *Airport:* Lod, 35 km.
Ashkelon, Israel: 31.40 N. 34.32 E. 26, 32
Max. Size: Unlimited. Also see Ashdod.
Ashland, Wisconsin, U.S.A.: 46.38 N. 90.52 W. 62
Ashtabula, Ohio, U.S.A.: 41.53 N. 80.48 W. 55, 60, 62
Max. Size: LOA 1,000 ft., beam 105 ft., draft 26 ft.
Fuel: Available. *Airport:* 10 miles.
Ashtart Terminal, Tunisia: 34.17 N. 11.23 E. 24
Max. Size: S.B.M.: 150,000 d.w.t. Barge Berth: 100,000 d.w.t., depth 66 ft. *Fuel:* Not available. *Airport:* At Sfax.
Asilah, Morocco: 35.30 N. 6.00 W. 22, 27
Asinara, (Sardinia), Italy: 41.00 N. 8.15 E. 24
Askaig, see Port Askaig.
Askersund, Sweden: 58.50 N. 14.55 E. 10
Askja, Sweden: 63.01 N. 18.13 E. 15
Asl, Egypt: 29.30 N. 32.40 E. 32
Asnaes, Denmark: 55.40 N. 11.05 E. 10, 11
Max. Size: Depths up to 13 m. *Fuel:* By barge or truck.
Airport: Copenhagen, 100 km.
Aspropyrgos, Greece: 38.02 N. 23.36 E. 23, 25
Max. Size: Draft: 35 ft. 6 in., 60,000 d.w.t.
Fuel: All grades available. *Airport:* Athens.
Assab, Ethiopia: 13.01 N. 42.44 E. 31, 32
Max. Size: Commercial Harbour: 180 m. LOA, 80 ft. beam, 33 ft. draft. Tankers: 800 ft. LOA and 36 ft. draft.
Fuel: All grades. *Airport:* 15 km.
Assens, Denmark: 55.15 N. 9.53 E. 10, 11
Max. Size: LOA 130 m., beam 20 m., draft 7 m.
Fuel: Available with notice. *Dry Docks:* Floating – 1,350 tons, 80 m. length, 15 m. beam. *Airport:* Odense, 50 km.
Assinie, Ivory Coast: 5.08 N. 3.17 W. 29
Assos, Greece: 38.20 N. 20.31 E. 25
Assumption Is., Seychelles: 9.46 S. 46.31 E. 30
Astakos, Greece: 38.32 N. 21.07 E. 24, 25
Astipalaia Is., Greece: 36.32 N.26.22 E. 25
Astoria, New York, see New York
Astoria, Oregon, U.S.A.: 46.11 N. 123.50 W. 55, 56, 57
Max. Size: Channel width of 500 ft. and project depth at low water 40 ft. Depths alongside 35 ft. – 40 ft.
Fuel: Heavy fuel oil and diesel oil.
Astove Is., Seychelles: 10.06 S. 47.45 E. 30
Astros, see Paralion Astrous.
Asuncion Is., Northern Marianas: 19.40 N. 145.24 E. 45
Asuncion, Paraguay: 25.25 S. 57.38 W. 72
At Tur, see El Tur.
Ata Is., Tonga: 22.19 S. 176.12 W. 48
Atafu Is., Tokelau Is., (New Zealand): 8.32 S. 172.31 W. 48
Atapupu, Timor, Indonesia: 9.00 S. 124.52 E. 45
Athens, see Piraeus.
Atico, Peru: 16.14 S. 73.43 W. 72
Max. Size: Open roadstead *Fuel:* Not available.
Atiu Is., Cook Is., (New Zealand): 19.55 S. 158.05 W. 48
Atka, Alaska, U.S.A.: 52.13 N. 174.11 W. 54
Atlantic City, New Jersey, U.S.A.: 39.22 N. 74.25 W. . . . 60, 63, 65
Atreco, U.S.A., see Port Arthur.
Atsumi, Japan: 34.40 N. 137.04 E. 42
Max. Size: Dolphin Pier: 70,000 d.w.t., LOA 240 m., draft 12.50 m. SBM: 210,000 d.w.t., draft 13 m.
Fuel: Bunkering at anchorage by barge.
Attaka, see Santan Terminal.
Attawapiskat, Ontario, Canada: 52.56 N. 82.26 W. 59
Attu Is., (Aleutian Islands), Alaska, U.S.A. 54
Atucha, Argentina: 33.58 S. 59.16 W. 75
Max. Size: Depth 44 ft.
Atuona, Hiva Oa, Marquesas Is., (France): 9.48 S. 139.02 W. . 48
Au Sable, see Oscoda, Canada.
Auckland, New Zealand: 36.51 S. 174.45 E. 1, 48, 52
Max. Size: Depths: Entrance 11 m., berths 6.09 m. to 12.20 m. Tankers: Depth 9 m. – 11 m. *Fuel:* Light fuel oil, diesel, gas oil and heavy fuel. *Dry Docks:* Max. size: 181.35 m. LOA and 19.8 m. beam. *Airport:* 23 km.
Auckland Is., New Zealand: 51.00 S. 166.00 E. 36, 52
Auderville, France: 49.43 N. 1.57 W. 7, 19
Audorf, see Rendsburg.
Aughinish Is., Eire: 52.38 N. 9.03 W. 5
Max. Size: Outer berth: 70,000 d.w.t.
Fuel: Not available in bulk.
Augusta, W.A., Australia: 34.18 S. 115.10 E. 49
Augusta, (Sicily), Italy: 37.13 N. 15.14 E. 24
Max. Size: Up to 66 ft. 10 in. draft at Montedison supertanker jetty, 220,000 g.r.t. (420,000 d.w.t.). *Fuel:* All grades available. *Dry Docks:* Floating dock: Length 105 m., breadth 17.10 m., lifting capacity 3,000 tons.
Airport: Catania 40 minutes by car.
Augusta, Georgia, U.S.A.: 33.29 N. 82.00 W. 66
Augusta, Maine, U.S.A.: 44.18 N. 69.45 E. 60
Augusta, see Port Augusta.
Augustenborg, Denmark: 54.58 N. 9.52 E. 11
Auki, Malaita Island, Solomon Is.: 8.45 S. 160.44 E. 48
Aultbea, U.K.: 57.50 N. 5.30 W. 5
Aupierne, France: 48.01 N. 4.32 W. 19
Aur, Marshall Is., (U.S.A.): 8.15 N. 171.00 E. 48
Aurukun, Australia: 13.25 S. 141.45 E. 49
Austin, see Port Austin.
Austral Islands, French Polynesia 48
AUSTRALIA 45, 48, 49
Avarua, Rarotonga, Cook Islands, (New Zealand):
21.12 S. 159.47 W. 48
Max. Size: Avarua: Anchorage depth 25 fathoms. Avatui Berth: Depth up to 6.2 m. *Fuel:* Not available.
Airport: Rarotonga International, 2 miles.
Avatui, see Avarua.
Aveiro, Portugal: 40.39 N. 8.45 W. 20
Max. Size: Draft 6.0 m., LOA 90 m. – 100 m.
Fuel: Only diesel. *Dry Docks:* Up to 3,000 d.w.t.
Airport: Pedras Rubras 80 km.
Avernakke, see Nyborg.
Aves Is., Venezuela: 15.41 N. 63.40 W. 69
Avgo Is., Greece: 35.33 N. 25.37 E. 25
Avigait, Greenland, (Denmark): 62.30 N. 50.20 W. 17
Aviles, Spain: 43.35 N. 5.56 W. 19, 20, 21
Max. Size: LOA 210 m. Depths: 8.8 m. (Neaps), 9.70 m. (Ordinary Tides), 10.6 m. (Springs). Vessels over 150 m. LOA require 4 ft. keel clearance. Depths alongside 2.0 m. – 9.0 m.
Fuel: Fuel and gas-oil. *Airport:* Connects Madrid, etc.
Avola, Italy: 36.54 N. 15.09 E. 24
Avondale, Louisiana, U.S.A.: 29.55 N. 90.11 W. 67
Max. Size: Depth 60 ft. Also see New Orleans.
Avonmouth, U.K.: 51.30 N. 2.42 W. 5, 6, 7
Max. Size: See Bristol.
Avranches, France: 48.41 N. 1.21 W. 7, 19
Awaji Is., Japan 44
Axelsvik, Sweden: 65.46 N. 23.22 E. 15
Max. Size: Draft 8.8 m. *Airport:* Lulea, 80 km.
Axim, Ghana: 4.52 N. 2.15 W. 27

Ayacucho, see Puerto Ayacucho.
Ayamonte, Spain: 37.13 N. 7.24 W. 20
Ayan, U.S.S.R.: 56.27 N. 138.15 E. 42
Ayancik, Turkey: 41.55 N. 34.19 E. 26
Ayia Marina, Greece: 37.07 N. 26.51 E. 25
Max. Size: Draft 7.0 m. *Fuel:* Not available. *Airport:* Local.
Ayia Pelayia, Greece: 36.20 N. 22.59 E. 25
Ayios Evstratios Is., Greece: 39.34 N. 24.58 E. 25
Ayios Kirikos, Greece: 37.36 N. 26.17 E. 25
Aylmer, Quebec, Canada: 45.27 N. 75.51 W. 61
Aynunah, Saudi Arabia: 28.05 N. 35.00 E. 32
Ayr, U.K.: 55.28 N. 4.38 W. 5
Max. Size: Draft 3.0 m. *Fuel:* All grades.
Dry Docks: See Troon. *Airport:* Prestwick 7 miles.
Ayvalik, Turkey: 39.19 N. 26.42 E. 25, 26
Azhikkal, see Cannanore.
Azores, (Portugal) 18, 20, 53
Azov, U.S.S.R.: 47.07 N. 39.25 E. 26
Azovstal, see Zhdanov.
Azua, Dominican Republic: 18.30 N. 70.40 W. 69
Max. Size: Berth dredged to 35 ft. *Fuel:* Not available.
Airport: 170 miles.
Azzawiya, see Zawia.
Azzuro, see Porto Azzuro.

NOTES, ADDITIONS, CORRECTIONS

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B

Baa, Indonesia: 10.43 S. 123.03 E. 45
Babadag, Romania: 44.50 N. 28.45 E. 26
Babar Is., Tanimba Is., Indonesia 45
Babelthuap, see Palau Is.
Babitonga Bay, see Sao Francisco do Sul.
Babo, Indonesia: 2.33 S. 133.26 E. 45
Babouillat, New Caledonia: 20.23 S. 164.08 E. 48
(incl. Paagoumene: 20.29 S. 164.11 E.)
Max. Size: Anchorage: Depth 13.5 m. – 18 m.
Airport: Noumea, 450 km.
Babuyan, Palawan, Philippines: 10.00 N. 119.02 E. 38, 46
Babuyan Is., Philippines 45, 46
Bacan Is., Moluccas, Indonesia 45
Bachaquero, Venezuela: 9.57 N. 71.09 W. 69, 73
Backfors, Sweden: 64.31 N. 21.25 E. 15
Bacolod, Negros, Philippines: 10.40 N. 122.57 E. 45
Badagara, India: 11.36 N. 75.35 E. 37
Badagri, Nigeria: 6.25 N. 2.53 E. 28
Badalona, Spain: 41.26 N. 2.15 E. 22
Badcall, U.K.: 58.17 N. 5.12 W. 5
Baddeck, Nova Scotia, Canada: 46.06 N. 60.44 W. 60
Max. Size: LOA 497 ft., beam 66.7 ft., draft 28 ft.
Fuel: Diesel only by truck. *Airport:* 55 miles.
Bado, see Uddevalla.
Baejarbryggjan, see Siglufjord.
Baffin Bay 17, 53
Baffin Is., N.W. Territories, Canada 59
Bagan Datoh, Malaysia: 3.59 N. 100.48 E. 38, 39
Baganslapiapi, Indonesia: 2.10 N. 100. 49 E. 38, 39
Bagenkorp, Denmark: 54.45 N. 10.40 E. 11
Bagfas, see Bandirma.
Bagnoli, Italy: 40.48 N. 14.10 E. 24
Max. Size: Ore/Coal discharging: Draft 41 ft. 6 in.
Loading pier: Draft 10.5 m. *Fuel:* All grades available.
Bagotville, Quebec, Canada: 48.21 N. 70.53 W. 60
Max. Size: Depth 28 ft. (LW), also see Port Alfred.
Baguskuning, see Palembang.
BAHAMAS, THE 66, 69
Bahia, see Salvador.
Bahia Blanca, Argentina: 38.47 S. 62.16 W. 72
(incl. Puerto Rosales: 38.55 S. 62.04 W., Ingeniero White & Galvan: 38.47 S. 62.18 W.)
Max. Size: LOA 230 m., draft about 34 ft. 9 in. in access channels. Puerto Galvan: LOA 225 m. Tanker Berth: Depth 40 ft. Ingeniero White: Draft 38 ft. 06 in. *Fuel:* All grades available. *Dry Docks:* 215 m. (705 ft.) LOA, width 22.12 m. (72 ft. 6 in.). *Airport:* Domestic.
Bahia de Caraquez, Ecuador: 0.36 S. 80.25 W. 69, 72
Bahia de Portete, Colombia: 12.15 N. 71.58 W. 73
Bahia Gregorio, see Gregorio.
Bahia Honda, Colombia: 12.18 N. 71.50 W. 69, 72, 73
Bahia Honda, Cuba: 22.59 N. 83.10 W. 69
Max. Size: Draft (anchorage) 28 ft., (berth) 19 ft., LOA 450 ft. *Fuel:* Not available.
Bahia Las Minas, Panama: 9.24 N. 79.49 W. 70
Max. Size: LOA 152 m., draft 23 ft. Ro/Ro up to 600 ft. LOA. Tankers: LOA 240 m., draft 40 ft. *Fuel:* Available at oil quays. *Airport:* Panama, 90 km.
Bahia Negra, Brazil: 20.05 S. 58.05 W. 72
Bahia Solarno, Colombia: 6.10 N. 77.30 W. 69
BAHRAIN 31, 35
Bahregan Oil Centre, see Ras Bahregan.
Baia da Ilha Grande Terminal, Brazil: 23.04 S. 44.13 W. 72
Max. Size: 500,000 d.w.t. *Fuel:* Available.
Baie Comeau, Quebec, Canada: 49.15 N. 68.09 W. 60
Max. Size: Up to 40 ft. draft at LW. *Fuel:* Available.
Dry Docks: Les Mechins, 48 miles.
Airport: Daily service to Quebec and Montreal.
Baie de la Seine, France 7, 19
Baie de Mayumba, see Mayumba.
Baie Johan Beetz, Quebec, Canada: 50.17 N. 62.47 W. 60
Baie St. Paul, Quebec, Canada: 47.25 N. 70.30 W. 60
Baie Ugue, New Caledonia: 21.09 S. 165.33 E. 48
Max. Size: LOA 170 m., draft 11 m. See also Noumea
Baie Verte, Newfoundland, Canada: 49.57 N. 56.10 W. 60
Bail, see Port Bail.
Bainbridge, Georgia, U.S.A.: 30.54 N. 84.34 W. 66
Bais, Negros, Philippines: 9.36 N. 123.08 E. 45, 46
Baja Nuevo Is., Colombia: 15.48 N. 78.38 W. 69
Bajada Grande, Argentina: 31.45 S. 60.29 W. 75
Bajo Grande, Venezuela: 10.29 N. 71.38 W. 69, 73
Max. Size: 85,000 d.w.t., 39 ft. 06 in. draft. *Fuel:* All grades.
Dry Docks: Nearest Curacao, up to 30,000 d.w.t.
Bakalskaya, U.S.S.R.: 45.46 N. 33.13 E. 26
Bakapit, Sabah, Malaysia: 4.56 N. 118.34 E. 38

Bakar, Yugoslavia: 45.18 N. 14.32 E. 24
(incl. Urinj)
Max. Size: Bakar: 170,000 d.w.t., LOA 300 m., draft 17.50 m. Tankers: 80,000 d.w.t. Urinj: 200,000 d.w.t. Also see Rijeka.
Bakenkop, Denmark: 54.45 N. 10.40 E. 11
Baker Is., (U.S.A.): 0.14 N. 176.28 W. 48
Baker Lake, N.W. Territories, Canada: 64.20 N. 96.05 W. 59
Bakirkoy, Turkey: 40.59 N. 28.53 E. 25
Balabac, Balabac Is., Philippines: 8.01 N. 117.04 E. 38, 46
Balabac Strait 38, 45, 46
Balaklava, U.S.S.R.: 44.30 N. 33.35 E. 26
Balancan, Marinduque I., Philippines: 13.32 N. 121.51 E. 46
Balao Terminal, Ecuador: 1.02 N. 79.44 W. 69, 72
Max. Size: Up to 100,000 d.w.t., LOA 274 m., beam 39.6 m., draft 15.2 m. *Fuel:* Limited in emergencies.
Balasore, India: 21.30 N. 87.00 E. 37
Balboa, Panama: 8.58 N. 79.34 W. 69, 70, 72
Max. Size: Draft 40 ft. (SW). Tankers: LOA 700 ft., draft 36 ft. salt water. *Fuel:* Bunker "C", diesel, light fuel and light diesel. *Dry Dock:* Capacity 60,000 d.w.t.
Airport: 32 km.
Balbriggan, Eire: 53.37 N. 6.11 W. 5
Balchik, Bulgaria: 43.26 N. 28.11 E. 26
Max. Size: Draft 24 ft., see also Varna
Balearic Islands, Spain 21, 22
Baler, Luzon, Philippines: 15.46 N. 121.34 E. 46
Bali Is., Indonesia 38
Balikpapan, Indonesia: 1.16 S. 116.48 E. 38
Max. Size: Tankers normally up to LOA 215 m., draft 12 m., 35,000 d.w.t. Sailing drafts up to 33 ft. salt water. Depth at cargo berths 9.0 m. – 12.0 m.
Fuel: Available. *Airport:* Sepinggan, 8 km.
Baliwasan, see Zamboanga.
Ballah By-Pass, Suez Canal 33
Ballangen, Norway: 68.21 N., 16.51 E. 15
Ballast Head, S.A., Australia: 35.45 S. 137.48 E. 49, 50
Max. Size: Up to 27,000 d.w.t. *Fuel:* No facilities.
Airport: Kingscote, 30 km., connects with Adelaide.
Ballast Point, see Sydney, Australia.
Ballen, Denmark: 55.49 N. 10.39 E. 11
Ballina, N.S.W., Australia: 28.52 S. 153.35 E. 49
Ballina, Eire: 54.07 N. 9.10 W. 5
Ballycastle, U.K.: 55.12 N. 6.13 W. 5
Ballyvaughan, Eire: 51.12 N. 9.09 W. 5
Balmain, see Sydney, Australia.
Balongan, Indonesia: 6.21 S. 108.23 E. 38
Max. Size: SBM: 150,000 d.w.t., LOA 290 m. Depth 22 m.
Airport: Cirebon.
Balsta, Sweden: 59.34 N. 17.32 E. 10
Balstad, Norway: 68.03 N. 13.33 E. 15
Baltasound, U.K.: 60.45 N. 00.50 W. 5
Baltic Sea 9, 10, 11, 13, 15
Baltijeto, U.S.S.R.: 60.37 N 28.19 E. 10
Baltim, Egypt: 31.34 N. 31.10 E. 26, 32
Baltimore, Eire: 51.29 N. 9.22 W. 5
Baltimore, Maryland, U.S.A.: 39.17 N. 76.35 W. 55, 60, 63, 65
Max. Size: LOA 1,250 ft., draft 50 ft. Tankers: Depth 28 ft. – 37 ft.
Fuel: All grades. *Airport:* 8 miles.
Baltiysk, U.S.S.R.: 54.38 N. 19.54 E. 10
Bamburgh, U.K.: 55.30 N. 1.40 W. 5
Bamfield, Br. Columbia, Canada: 48.49 N. 125.09 W. 56
Banaba, Ocean Island, Kiribati: 00.52 S. 169.35 E. 48
Banana, Zaire: 6.01 S. 12.25 E. 29
(incl. Moanda Oil Terminal: 5.58 S. 12.08 E.)
Max. Size: Moanda: Tankers up to 35 ft. draft. Banana Wharf: Draft 17 ft. *Fuel:* Gasoil, light and heavy fuel oil available.
Banda Elat, Kai Is., Indonesia: 5.40 S. 132.59 E. 45
Banda Sea 45
Bandar Abbas, Iran: 27.08 N. 56.12 E. 31, 35
Max. Size: Old Port: Up to 600 ft. LOA, draft 33 ft. New Port: LOA 660 ft., draft 33 ft. – 36 ft. *Fuel:* Available.
Airport: 15 km.
Bandar Cassim, see Bosaso.
Bandar e Deylam, Iran: 30.03 N. 50.08 E. 35
Bandar e Rig, Iran: 29.29 N. 50.41 E. 35
Bandar Imam Khomeini, Iran: 30.26 N. 49.05 E. 31, 35
Max. Size: LOA 780 ft., draft 36 ft. *Fuel:* Available.
Airport: 110 km.
Bandar Mahshahr, Iran: 30.28 N. 49.11 E. 31, 35
Max. Size: LOA 780 ft., draft 36 ft. (1980). *Fuel:* Available.
Bandar Seri Begawan, see Muara.
Bandholm, Denmark: 54.50 N. 11.30 E. 10, 11
Max. Size: LOA 100 m., draft 5 m. *Fuel:* Available.
Airport: Maribo, 15 km.
Bandirma, Turkey: 40.22 N. 27.59 E. 25, 26
Max. Size: LOA 200 m., draft 34 ft.
Fuel: By barge at anchorage. *Airport:* Istanbul or Izmir.
Bandon, Oregon, U.S.A.: 43.08 N. 124.25 W. 57
Banes, Cuba: 20.54 N. 75.41 E. 69
Max. Size: LOA 360 ft., draft 19 ft. forward, 23 ft. aft.
Fuel: Not available.
Banff, U.K.: 57.40 N. 2.32 W. 5
(incl. Macduff 57.40 N. 2.30 W.)
Banfield, British Columbia, Canada: 48.50 N. 125.08 W. 56
Banggai, Indonesia: 1.35 S. 123.30 E. 45
Bangka Is., Indonesia 38
Bangkok, Thailand: 13.42 N. 100.34 E. 38
Max. Size: LOA 172 m., draft 8.2 m. *Fuel:* Available.
Dry Docks: Up to 360 ft. LOA. *Airport:* 25 km.
BANGLADESH 37, 38
Bangor, Northern Ireland, U.K.: 54.39 N. 5.40 W. 5
Max. Size: LOA 70 m., draft 4 m. HWOST.
Fuel: Diesel available.
Airport: Aldergrove or Belfast City Airport, 12 km.
Bangor, Wales, U.K.: 53.14 N. 4.07 W. 5, 6
Bangor, Maine, U.S.A.: 44.49 N. 68.47 W. 55, 60
(incl. Brewer: 44.47 N. 68.47 W.)
Max. Size: LOA 560 ft. Tankers: Depth 22 ft.
Fuel: Only available at oil berth. *Airport:* Bangor, 2 miles.
Baniara, Papua New Guinea: 9.44 S. 149.49 E. 45
Banias, Syria: 35.14 N. 35.56 E. 26
Max. Size: LOA 925 ft., draft 53 ft. *Fuel:* Not available.
Airport: Damascus International, about 300 km.
Banjarmasin, Indonesia: 3.18 S. 114.35 E. 54
Max. Size: Depth 8.0 m. *Fuel:* Not available.
Banjul, Gambia: 13.27 N. 16.34 W. 27
Max. Size: Depth 10.0 m. *Fuel:* Bunkering facilities available.
Dry Docks: Slipway 500 tons. *Airport:* 14 miles.
Bankot, India: 17.59 N. 73.04 E. 37
Banks Peninsula, New Zealand 52
Banks Is., Vanuatu: 14.00 S. 167.30 E. 48
Bantry Bay, Eire: 51.41 N. 9.27 W. 5
Max. Size: Oil Terminal: Not operating. Harbour: Draft 25 ft. Pier: LOA 150 ft., draft 12 ft. *Fuel:* Gas oil and fuel available at Bantry Pier in road tenders of 20 tons.
Airport: Cork, 48 miles.
Banyuwangi (New Port), see Meneng.
Banyuwangi (Old Port), Indonesia: 8.13 S. 114.23 E. 38
Max. Size: No restrictions, vessels anchor outside harbour, depth 25 m. – 30 m. *Fuel:* Not available.
Bar, Yugoslavia: 42.05 N. 19.03 E. 24
Max. Size: Up to 12.5 m. draft. Tankers: 80,000 d.w.t.
Fuel: All grades. *Dry Docks:* Bijela 36 miles from Bar, capacity about 130,000 d.w.t.
Bar Harbour, Maine, U.S.A.: 44.23 N. 68.12 W. 60
Barachois, Quebec, Canada: 48.38 N. 64.17 W. 60
Baracoa, Cuba: 20.21 N. 74.30 W. 69
Max. Size: Up to 400 ft. LOA and 28 ft. draft.
Fuel: Not available.
Baradero, Argentina: 34.05 S. 59.15 W. 75
Barahona, Dominican Republic: 18.10 N. 71.10 W. 69
Max. Size: LOA 575 ft., draft 29 ft. *Fuel:* Small quantities of diesel available. *Airport:* 230 km.
Baram, see Miri.
Baranof Is., Alaska, U.S.A. 56
Barao de Tefe, see Antonina.
Barataria Bay, Mississippi Delta 67
BARBADOS 69
Barbate, Spain: 36.12 N. 5.56 W. 20
Barbers Point, see Honolulu.
Barbuda Is., Antigua, (U.K.): 17.48 N. 61.55 W. 69
Barcadera, (Aruba), Netherlands Antilles: 12.29 N. 70.00 W. 69
Max. Size: LOA 185 m., draft 31 ft. *Fuel:* Available.
Barce, Libya: 32.23 N. 20.28 E. 24
Barcelona, Spain: 41.20.N. 2.10 E. 21, 22
Max. Size: Draft 45 ft. *Fuel:* Fuel oil and gas oil available.
Dry Docks: LOA 215 m. For 50,000 d.w.t. *Airport:* 7 km.
Barcelona, Venezuela: 10.08 N. 64.35 W. 69, 74
Bardia, Libya: 31.46 N. 25.06 E. 26
Bardsey Is., U.K.: 52.45 N. 4.48 W. 5
Barents Is., Norway 17
Barents Sea 16
Barentsburg, (Spitsbergen), Norway: 78.04 N. 14.13 E. 17
Bares, see Barquero.
Barfleur, France: 49.40 N. 1.16 W. 7, 19
Barhoft, Germany: 54.26 N. 13.02 E. 11
Bari, Italy: 41.08 N. 16.52 E. 21, 24
Max. Size: LOA 800 ft. for oil carriers, draft 39 ft.
Fuel: Available. *Dry Docks:* Nearest at Taranto.
Airport: 10 km.
Barima Bar, see Orinoco River.
Barletta, Italy: 41.20 N. 16.17 E. 21, 24
Barmouth, U.K.: 52.43 N. 4.03 W. 5
Barnegat, New Jersey, U.S.A.: 39.46 N. 74.06 W. 63
Barney Point, see Gladstone.
Barnstaple, U.K.: 51.06 N. 4.04 W. 5, 6
Barqueriza, (Galapagos), Ecuador: 0.54 S. 89.37 W. 69, 72

Barquero, Spain: 43.45 N. 7.42 W. 19
Barquito, Chile: 26.21 S. 70.38 W. 72
See Chanaral.
Barra, U.K.: 57.00 N. 7.35 W. 5
Barra do Riacho, Brazil: 19.51 S. 40.03 W. 72
Max. Size: LOA 190 m., depth 10.7 m. *Airport:* At Vitoria.
Barra Head, U.K.: 56.47 N. 7.40 W. 5
Barrancas, Venezuela: 8.45 N. 62.08 W. 74
Barrangueras, see Corrientes, Argentina.
Barranquilla, Colombia: 10.58 N. 74.47 W. 69, 72
Max. Size: LOA 600 ft., draft 30 ft.or less due to silting.
Fuel: Small quantities of gas oil available. *Airport:* 6 km.
Barreiro, Portuga[1]: 38.40 N. 9.06 W. 20
Max. Size: Depth to 8.5 m. See also Lisbon.
Barrios, see Puerto Barrios.
Barrosso Terminal, see Sao Sebastiao.
Barrow, Alaska, U.S.A.: 71.17 N. 156.48 W. 54
Barrow-in-Furness, U.K.: 54.07 N. 3.14 W. 5
Max. Size: LOA 200 m., beam 35 m., draft 9.15 m.
Fuel: Available. *Airport:* Walney, 4 miles.
Barrow Island, W.A., Australia: 20.49 S. 115.33 E. 38, 49
Max. Size: (Approx.) 71,000 d.w.t., LOA 820 ft. (250 m.), moulded depth 58 ft. (17.7 m.), draft 38 ft.
Fuel: Not available.
Barry, U.K.: 51.24 N. 3.16 W. 5, 6
Max. Size: LOA 178 m., beam 23 m., draft 9.1 m.
Fuel: By barge. *Dry Docks:* 286.5 m. × 23.9 m. Not in use.
Airport: Cardiff, 4 miles.
Barth, Germany: 54.23 N. 12.44 E. 11
Bartica, Guyana: 6.24 N. 58.37 W. 69, 74
Max. Size: Depth 3 ft. less than Demarara Bar prediction.
Fuel: Not available. *Dry Docks:* See Georgetown, Mazaruni.
Bartolomeo Diaz, Mozambique: 21.08 S. 35.08 E. 30
Barton, U.K.: 53.28 N. 2.22 W. 5
Max. Size: See Manchester.
Baruch, India: 21.48 N. 73.00 E. 37
Barus, Indonesia: 2.00 N. 98.25 E. 38, 39
Baruva, India: 18.53 N. 83.46 E. 37
Basarabi, Romania: 44.10 N. 28.25 E. 26
Max. Size: See Danube – Black Sea Canal.
Basco, Batan Is., Phillippines: 20.27 N. 121.58 E. 46
Bashi Channel, Philippines 45
Basidu, Iran: 26.39 N. 55.16 E. 35
Basilan Is., Philippines 45, 46
Basques Cove, Quebec, Canada: 48.19 N. 69.24 W. 60
Basrah, Iraq: 30.31 N. 47.50 E. 31, 35
Max. Size: Umm Qasr: Draft 8.0 m. Fairway: Draft 12.0 m.
Fuel: Available. *Dry Docks:* Floating Dock 4,000 tons.
Airport: Basrah, 2 miles.
Bass Strait, Victoria/Tasmania, Australia 49, 50
Bassas de India, (Reunion), France: 21.29 S. 39.46 E. 30
Basse Indre, France: 47.12 N. 1.42 W. 19
Basse Terre, Guadeloupe, (France): 15.59 N. 61.44 W. 69, 71
Max. Size: LOA 300 m., beam 30 m., draft approx. 29 ft.
Fuel: Not available.
Bassein, Myanmar: 16.46 N. 94.46 E. 37
Bassein, India: 19.25 N. 72.47 E. 37
Bassens, France: 44.55 N. 00.32 W. 8, 19
Max. Size: Vessels up to 34 ft. draft. Also see Bordeaux.
Basseterre, St. Kitts: 17.18 N. 62.43 W. 69
Max. Size: Any size at anchorage. Pier: Depth 30 ft.
Fuel: Available soon. *Airport:* 2 miles, connects with Antigua and Puerto Rico.
Bastad, Sweden: 56.25 N. 12.50 E. 10, 11
Bastia, (Corsica), France: 42.41 N. 9.27 E. 21, 24
Max. Size: LOA 160 m., draft 7.5 m. *Fuel:* Not available.
Airport: Bastia, 20 km.
Basuanga, Basuanga Is., Philippines: 12.09 N. 119.55 E. 38, 45
Basuo, China: 19.06 N. 108.37 E. 38
Max. Size: LOA 371 m., draft 9 m. *Fuel:* Not available.
Bata, see Puerto Macias.
Bataan, Luzon, Philippines: 14.30 N. 120.38 E. 45, 46
(incl. Bataan CBM Seaberth: 14.32 N. 120.36 E., Limay: 14.34 N. 120.36 E. and Mariveles: 14.26 N. 120.29 E.)
Max. Size: CBM: LOA 1,000 ft., draft 52 ft.
SBM: 300,000 d.w.t., draft 70 ft. and 175 ft. beam.
Fuel: Fuel oil and diesel.
Batabano, Cuba: 22.41 N. 82.18 W. 69
Batakan, Indonesia: 4.04 S. 114.39 E. 38
Batan Is., Philippines 45, 46
Batang Lupar, see Lingga.
Batangas, Luzon, Philippines: 13.45 N. 121.03 E. 45, 46
(incl. Tabangao Bauan: 13.47 N. 121.04 E. and Mainaga: 13.36 N. 120.57 E.)
Max. Size: Draft 45 ft. Tankers: Tabangao up to 75,000 d.w.t. Refinery up to 45,000 d.w.t. LOA 755 ft., draft 41 ft.
Fuel: Available at tanker berths.
Dry Docks: Shiplift with capacity 7,500 long tons.
Batchawana, Ontario, Canada: 46.55 N. 84.36 W. 62
Batemans Bay, N.S.W., Australia: 35.41 S. 150.10 E. 49
Bath, Ontario, Canada: 44.,11 N. 76.46 W. 62
Bath, Maine, U.S.A.: U.S.A. 43.55 N. 69.49 W. 60
Bathurst, New Brunswick, Canada: 47.37 N. 65.39 W. 60
Bathurst, see Banjul.
Bathurst Is., N.T., Australia: 11.30 S. 130.10 E. 45, 49
Batiscan, Quebec, Canada: 46.30 N. 72.14 W. 60
Baton Rouge, Louisiana, U.S.A.: 30.28 N. 91.12 W. 55, 66, 67
Max. Size: Oil Docks can accommodate 1,000 ft. vessels – unlimited breadth; draft governed by S.W. pass – project depth 45 ft. to 180 AHP. Grain: Draft 40 ft. Bauxite: Draft 40 ft. *Fuel:* All grades. Barging essential. *Airport:* Ryan Airport, 6 miles.
Bats, Netherlands: 51.24 N. 4.11 E. 5
Batsfjord, Norway: 70.38 N. 29.44 E. 15
Max. Size: Depth 6 m. – 10 m. (LW). *Fuel:* Available.
Dry Docks: 70 m.×25 m. *Airport:* 5 km.
Batskarsnas, Sweden: 65.48 N. 23.26 E. 15
Battery, see New York.
Batticaloa, Sri Lanka: 7.45 N. 81.40 E. 37
Battle Harbour, Newfoundland, Canada:
52.15 N. 55.34 W. 59
Batu, Indonesia: 00.25 S. 98.30 E. 38
Batu Ampar, Indonesia: 1.10 N. 104.00 E. 38, 40
Max. Size: Depth 6.0 m. *Fuel:* Not available.
Batu Batu, Tawi Tawi, Philippines: 5.04 N. 119.53 E. 45, 46
Batu Pahat, Malaya, Malaysia: 1.48 N. 103.00 E. 38, 39
Batumi, U.S.S.R: 41.39 N. 41.38 E. 21, 26
Max. Size: Draft 32.5 ft. Tankers: Berth No. 1, 175 m. LOA, 36 ft. draft. Sea Loading Berth: About 40,000 d.w.t., draft 40 ft. *Fuel:* Available. *Airport:* (Internal) Batumi, 5 km.
Bauan, see Batangas.
Baubau, Indonesia: 5.27 S. 122.37 E. 45
Bawean Is., Indonesia 38
Bay City, U.S.A.: 43.35 N. 83.52 W. 62
Bay de Chaleurs 60
Bay Dos Tigres, Angola: 16.28 S. 12.00 E. 29
Bay of Bengal 37, 38
Bay of Biscay 19, 20, 21, 22
Bay of Fundy 60
Bay of Panama 33
Bay of Plenty 52
Bay Roberts, Newfoundland, Canada: 47.36 N. 53.16 W. 69
Max. Size: Depth 20 ft. – 21 ft. (LWOST).
Fuel: Available. *Airport:* St. John's, 90 km.
Bay St. Louis, Mississippi, U.S.A.: 30.19 N. 89.20 W. 67
Bayawan, Negros, Philippines: 9.22 N. 122.48 E. 46
Baybay, Leyte, Philippines: 10.41 N. 124.48 E. 46
Bayboro, North Carolina, U.S.A.: 35.09 N. 76.46 W. 63
Bayfield, Ontario, Canada: 43.35 N. 61.43 W. 62
Bayona, Spain: 42.06 N. 8.51 W. 20
Bayonne, France: 43.30 N. 1.28 W. 19, 21
Max. Size: LOA 160 m., draft 8.0 m. (15-20,000 tonnes).
Tankers: LOA 150 m., draft 24 ft. (7.3 m.) *Fuel:* Available.
Dry Dock: Usable length 98 m. Length on stocks 94.1 m. Width of entry 15 m. *Airport:* Biarritz, 7 km.
Bayonne, New Jersey, U.S.A.: 40.40 N. 74.06 W. 63
Max. Size: Tankers: Depth 32 ft. – 38 ft. Also see New York.
Bayou Cosotte, see Pascagoula.
Bayovar, Peru: 5.47 S. 81.03 W. 72
Max. Size: 250,000 d.w.t., LOA 400 m., draft 21.95 m.
Airport: Piura, 125 km.
Bayside, see St. Stephen.
Baytown, Texas, U.S.A.: 29.44 N. 95.01 W. 55, 66
Max. Size: Depth 39 ft. (SW).
Fuel: Bunker C and MDO only.
Bazaruto Is., Mozambique: 21.40 S. 35.30 E. 30
Beachport, S.A., Australia: 37.30 S. 140.01 E. 49
Beachy Head, U.K.: 50.44 N. 0.16 E. 7
Beagle Bay, W.A., Australia: 17.00 S. 122.33 E. 49
Beagle Channel, Chile 72
Beamsville, Ontario, Canada: 43.13 N. 79.29 W. 62
Bear Is., N.W.Territories, Canada: 54.20 N. 81.05 W. 59
Bear Is., Norway: 74.30 N. 19.00 E. 17
Beaver Is., Michigan, U.S.A.: 45.35 N. 85.30 W. 62
Beaufort, North Carolina, U.S.A.: 34.44 N. 76.40 W. 63
Beaufort, South Carolina, U.S.A.: 32.25 N. 80.40 W. 66
Beaufort Sea 54
Beauharnois, Quebec, Canada: 45.19 N. 73.53 W. 61
Beauharnois Canal Locks, see St. Lawrence Seaway.
Beaumaris, U.K.: 53.17 N. 4.05 W. 5
Beaumont, Texas, U.S.A.: 30.05 N. 94.05 W. 55, 66
Max. Size: Cargo Vessels: Depth 30 ft. – 40 ft.
Tankers: Depth 35 ft. – 36 ft. *Fuel:* Available.
Dry Docks: 2 side-launching ways over 800 ft. each.
Floating Dry Dock: Length of 648 ft., length on bottom 576 ft., breadth at entrance 87 ft. and lifting capacity 17,500 tons.
Beauty Point, see Bell Bay.
Beaver Cove, see Englewood.

Beaver Harbour, Michigan, U.S.A., see St. James.

Becancour, Quebec, Canada: 46.24 N. 72.23 W. 60
Max. Size: Depth 35 ft. LOA about 800 ft.
Fuel: Truck only. *Airport:* Montreal, 2.5 hours by car.

Bec D'Ambes, France: 45.02 N. 00.32 W. 19
Max. Size: Tankers up to 32 ft. 6 in. draft, LOA 210 m.
Other details, see Bordeaux.

Bedi Bunder, India: 22.31 N. 70.02 E. 37
Max. Size: Lighterage Port: Anchorage 7 fathoms at LW.
Fuel: Not available. *Airport:* Jamnagar, 7 miles.

Bee Ness, see Medway.

Beechey Point, Alaska, U.S.A.: 70.00 N. 149.30 W. 54

Bei Hai, China: 21.29 N. 109.05 E. 38
Max. Size: Draft 10.5 m., 15,000 d.w.t. *Fuel:* Available.

Beilul, Ethiopia: 13.01 N. 42.20 E. 32

Beilun, China: 29.56 N. 121.53 E. 41
(incl. Beilun Oil Terminal: 29.57 N. 121.49 E.).
Max. Size: 100,000 d.w.t. Tankers: Draft 12 m.
Fuel: Diesel oil and fuel oil.

Beira, Mozambique: 19.46.S. 34.50 E. 30
Max. Size: LOA 800 ft., draft 33 ft. – 36 ft. Springs,
27 ft. – 29 ft. Neap tides. Tankers: Draft about 31 ft.
Fuel: Fuel oil and diesel.
Dry Docks: Up to 5,000 tons, LOA 377 ft., beam 55 ft.
Airport: Beira, 7 miles – internal to Maputo.

Beirut, Lebanon: 33.54 N. 35.30 E. 21, 26
Max. Size: Draft 13 m. Tankers: 25-30,000 d.w.t., max. draft
28 ft. – 30 ft. *Fuel:* Fuel, gas oil, diesel. *Airport:* 10 km.

Bejaia, Algeria: 36.45 N. 5.05 E. 22
Max. Size: Draft 9 m. Tankers: LOA 260 m., draft 13 m.
Fuel: Available.
Airport: Dar-el-Beida International (Algiers), 240 km.

Bekapai Terminal, Indonesia: 01.00 S. 117.30 E. 38, 45

Bel Air, see Boke.

Bela Vista, Mozambique: 26.10 S. 32.45 E. 30

Belawan, Indonesia: 3.47 N. 98.41 E. 38, 39
Max. Size: Draft 10 m. at HW. *Fuel:* Diesel and marine
fuel oil.

Belcher Islands, N.W. Territories, Canada 59

Belekeri, India: 14.43 N. 74.15 E. 37
Max. Size: Anchorage Port: Depths up to 37 ft.
Fuel: Not available. *Airport:* Nearest Goa or Bombay.

Belem, Brazil: 1.28 S. 48.29 W. 72
Max. Size: Vessels with a draft greater than 26 ft. anchor off
Icoaraci, 7 miles off the Port. Depth alongside 2.5 m. – 9.2 m.
Tankers: 18,000 d.w.t., depth 26 ft. LW. *Fuel:* Available.
Dry Docks: 730 ft. by 74 ft. *Airport:* 4 miles.

Belen, Panama: 9.05 N. 80.45 W. 69

Belfast, Maine, U.S.A.: 44.25 N. 69.00 W. 60

Belfast, U.K.: 54.36 N. 5.56 W. 5, 6
Max. Size: Draft 28 ft. Tankers: Depth 35 ft. *Fuel:* Available.
Dry Docks: Length 1,100 ft., breadth 167 ft.
Airport: Aldergrove, 17 miles, or Belfast Harbour Airport.

Belfast Lough, U.K. 5, 6

BELGIUM 7

Belgorod-Dnestrovsky, U.S.S.R.: 46.12 N. 30.21 E. 26
Max. Size: Draft up to 4.5 m. *Fuel:* Diesel oil.

Belgrano, see Bahia Blanca.

Belhaven, North Carolina, U.S.A.: 35.36 N. 76.36 W. 63

Beli Beli, Papua New Guinea: 9.22 S. 150.22 E. 48

Belinyu, Indonesia: 1.38 S. 105.47 E. 38

Belitung I., Indonesia 38

BELIZE 69

Belize City, Belize: 17.29 N. 88.11 W. 69
Max. Size: Anchorage Port. Tankers: Draft 19 ft. 6 in.
Fuel: Light diesel oil. *Airport:* International, 10 miles.

Bell Bay, Tasmania, Australia: 41.08 S. 146.51 E. 49
(incl. Beauty Point, Inspection Head and Long Reach)
Max. Size: Depth 12.4 m. Inspection Head, depth 9.9 m.
Beauty Point, depth 9.7 m. Long Reach, depth 12.3 m.
Also see Launceston.

Bell Is., Grey Is., Newfoundland, Canada: 50.45 N, 55. 34 W. . 60

Bella Coola, British Columbia, Canada: 52.23 N. 126.48 W. . . 56

Bella Vista, Panama: 8.59 N. 79.32 W. 70

Bellabella, British Columbia, Canada: 52.10 N. 128.09 W. . . . 56

Belle Chasse, see Braithwaite.

Belle Ile, France: 47.20 N 3.10 W. 7

Belle Isle, Newfoundland, Canada: 51.56 N. 55.19 W. . . . 59, 60

Belle Isle Strait, Newfoundland, Canada 60

Belledune, New Brunswick, Canada: 47.55 N. 65.51 E. 60
Max. Size: Depth at LW, 34 ft. *Fuel:* Not available locally,
available by truck.

Belleoram, Newfoundland, Canada: 47.31 N. 55.25 W. 60

Belleville, Ontario, Canada: 44.09 N. 77.24 W. 62

Bellin, Quebec, Canada: 60.05 N. 70.00 W. 59

Bellingham, Washington, U.S.A.: 48.45 N. 122.31 W. 55, 56
Max. Size: Depth alongside 32 ft. 05 in. MLLW.
Tankers: See Cherry Point *Fuel:* Available by barge.
Dry Docks: 2,800 tons. max. *Airport:* 3 miles.

Bellport, see Newport, U.K.

Belmullet, Eire: 54.13 N. 9.59 W. 5

Belo, see Porto Belo.

Belomorsk, U.S.S.R.: 64.32 N. 34.48 E. 16

Belwaarde, see Paramaribo.

Belyy Is., U.S.S.R.: 73.15 N. 71.00 E. 16

Bembridge, U.K.: 50.42 N. 1.05 W. 5

Ben Thuy, Vietnam: 18.39 N. 105.42 E. 38
Max. Size: LOA 100 m. Draft 4.5 m. *Fuel:* Available.
Airport: Noi Bai International, 340 km.

Benbecula, U.K.: 57.25 N. 7.20 W. 5

Bender Beila, Somalia: 9.32 N. 50.47 E. 31

Benghazi, Libya: 32.06 N. 20.03 E. 21, 24
Max. Size: 28 ft. draft (Summer), 27 ft. (Winter).
Fuel: Available. *Airport:* Benina, 29 km.

Bengkalis, Indonesia: 1.28 N. 102.06 E. 38, 39

Bengkulu, Indonesia: 3.46 S. 102.16 E. 38
Max. Size: Draft 9.0 m., 10,000 d.w.t.

Benguela, Angola: 12.35 S. 13.25 E. 29

Beni Enzar, see Port Nador.

Beni Saf, Algeria: 35.18 N. 1.24 W. 22

Benicia, California, U.S.A.: 38.03 N. 122.10 W. 55, 57, 58
Max. Size: Draft 36 ft. FW. *Fuel:* Delivered by barge.

Benidorm, Spain: 38.35 N. 00.10 W. 22

BENIN, PEOPLE'S REPUBLIC OF 28, 29

Benito, see Rio Benito.

Benoa, Indonesia: 8.45 S. 115.13 E. 38
Max. Size: Depth 6.0 m. *Fuel:* High speed diesel.

Benteng, Indonesia: 6.08 S. 120.29 E. 45

Bentinck Is., Queensland, Australia: 17.00 S. 139.35 E. 49

Beo, Talaud Is., Indonesia: 4.14 N. 126.48 E. 45, 46

Beppu, Japan: 33.16 N. 131.30 E. 44

Berbera, Somalia: 10.26 N. 45.01 E. 31, 32
Max. Size: Draft 28 ft. *Fuel:* Not available.
Airport: Hargeisa, 160 km.

Berbice, see New Amsterdam.

Berdyansk, U.S.S.R.: 46.37 N. 36.36 E. 21, 26
Max. Size: Draft 7.9 m., LOA 160 m. *Fuel:* Limited
quantities. *Airport:* Internal, 15 km.

Berenice, Egypt: 23.56 N. 35.29 E. 32

Bergen, Norway: 60.24 N. 5.19 E. 9, 10
Max. Size: Draft 35 ft. Up to 50,000 tons.
Tankers: 30,000 d.w.t., draft 30 ft.
Fuel: All grades. *Dry Docks:* 1 dry dock, 365 ft. long.
Floating dock 20,000 d.w.t. *Airport:* Flesland, 12 miles.

Bergen Op Zoom, Netherlands: 51.30 N. 4.17 E. 7

Bergqvara, Sweden: 56.23 N. 16.06 E. 10

Bergs Harbour, see Stockholm.

Bering Is., Komandorski Is., U.S.S.R. 54

Bering Strait 54

Beringovskiy, U.S.S.R.: 63.02 N. 179.20 E. 54

Berlenga Is., Philippines: 39.25 N. 9.30 W. 22

Berlevag, Norway: 70.51 N. 29.06 E. 15

Bermagui, N.S.W., Australia: 36.25 S. 150.02 E. 49

Bermeo, Spain: 43.25 N. 2.43 W. 19

BERMUDA, (U.K.) 63

Berner's Bay, see Juneau.

Berre, France: 43.27 N. 5.10 E. 22, 23
Max. Size: LOA 180 m., beam 24 m., draft 7.0 m.
Fuel: All grades. Also see Port de Bouc.
Dry Docks: See Marseille.

Berry Is., Bahamas: 25.28 N. 77.45 W. 69

Berry's Bay, see Sydney, Australia.

Berthier, Quebec, Canada: 46.57 N. 70.44 W. 60

Beru Is., Kiribati: 1.19 S. 176.01 E. 48

Berwick, U.K.: 55.45 N. 2.01 W. 5

Betanzos, Spain: 43.16 N. 8.13 W. 20

Bethel, Alaska, U.S.A.: 60.50 N. 161.45 W. 54

Betio, see Tarawa.

Beverley, Massachusetts, U.S.A.: 42.32 N. 70.53 W. 63

Beverwijk, Netherlands: 52.29 N. 4.38 E. 8
Max. Size: LOA 134 m., draft 6.4 m. *Fuel:* Available.
Airport: Schiphol, 20 km.

Beykoz, Turkey: 41.08 N. 29.06 E. 25

Beyoglu, see Istanbul.

Beyonesu Is., Japan: 31.52 N. 139.55 E. 45

Beypore, India: 11.10 N. 75.50 E. 37

Beyrouth, see Beirut.

Bhatkal, India: 14.00 N. 74.35 E. 37

Bhavnagar, India: 21.47 N. 72.08 E. 37
Max. Size: Up to 500 ft. LOA and 65 ft. breadth alongside.
Draft subject tide height. *Fuel:* Oil bunkering available.
Airport: 7 km., connects with Bombay.

Bheemunipatnam, India: 17.54 N. 83.30 E. 37

Biak, Indonesia: 1.10 S. 136.05 E. 45
Max. Size: Depth 12.0 m.
Fuel: Limited supplies of high speed diesel.

Biak Is., Indonesia 45

Bianco, Italy: 38.05 N. 16.10 E. 24

Biarritz, France: 43.30 N. 1.35 W. . . . 19
Bic, Quebec, Canada: 48.22 N. 68.44 W. . . . 60
Bicheno, Tasmania, Australia: 41.50 S. 148.15 E. . . . 49
Bideford, U.K.: 51.00 N. 4.12 W. . . . 5
Big Is., see Lake Harbour.
Bight of Benin . . . 28
Bight of Bonny . . . 28
Bijagos Archipelago, Guinea Bissau: 12.00 N. 16.00 W. . . . 27
Bikar, Marshall Is., (U.S.A.): 12.20 N. 170.10 E. . . . 48
Bikini Is., Marshall Is., (U.S.A.): 11.30 N. 165.30 E. . . . 48
Bilbao, Spain: 43.17 N. 2.55 W. . . . 19, 21, 22
Max. Size: Draft 14.5 m. Tankers: Draft 32 m. Largest vessel 409,499 d.w.t., LOA 378.01 m. and draft 22.48 m.
Fuel: Available. *Dry Docks:* Length 166 m., breadth 20 m.
Airport: International.
Bildudalur, Iceland: 65.41 N. 23.36 W. . . . 17
Billingham, U.K., see Middlesbrough.
Biloxi, Mississippi, U.S.A.: 30.24 N. 88.53 W. . . . 66, 67
Bima, Indonesia: 8.25 S. 118.42 E. . . . 38, 45
Max. Size: Anchorage Port. *Fuel:* Not available.
Airport: Bima.
Bima Marine Terminal, Indonesia: 5.46 S. 107.04 E. . . . 38
Max. Size: 250,000 d.w.t. *Fuel:* Not available.
Bimini Is., Bahamas: 25.44 N. 79.17 W. . . . 66, 69
Bimlipatam, see Bheemunipatam.
Binatang, see Sarikei, Malaysia.
Binic, France: 48.36 N. 2.49 W. . . . 7
Binnenhafen, see Kiel.
Bintulu, Sarawak, Malaysia: 3.16 N. 112.59 E. . . . 38
Max. Size: Depths: General cargo 10.0 m., Bulk cargo 13.5 m., LNG 15 m. and Tanker berth 9.0 m.
Fuel: High speed diesel available. *Airport:* 20 km.
Bintulu S.B.M., Sarawak, Malaysia: 3.20 N. 113.01 E. . . . 38
Max. Size: 320,000 tonnes (SDWT), draft 52 ft.
Fuel: Not available.
Bioco Is., Equatorial Guinea . . . 28, 29
Bir Shalatein, Egypt: 23.05 N. 35.26 E. . . . 32
Bira, Indonesia: 2.00 S. 132.00 E. . . . 45
Bird Is., Australia: 22.10 S. 155.28 E. . . . 49
Biringkasi, Indonesia: 4.49 S 119.29 E. . . . 45
Max. Size: Depth 7.0 m. *Fuel:* Not available.
Birkenhead, U.K.: 53.24 N. 3.01 W. . . . 5, 6
(incl. Tranmere: 53.23 N. 3.00 W.)
Max. Size: Draft 28 ft. 6 in. Tranmere: Draft 41 ft.
Also see Liverpool.
Birnie Is., Phoenix Is., Kiribati: 3.31 S. 171.40 E. . . . 48
Bishop Rock, U.K.: 49.53 N. 6.27 W. . . . 5, 19
Bislig, Mindanao, Philippines: 8.14 N. 126.22 E. . . . 45, 46
Max. Size: Depth 30 ft. *Fuel:* Small quantities available.
Airport: 5 km.
Bismarck Sea . . . 45
Bissau, Guinea Bissau: 11.51 N. 15.34 W. . . . 27
Max. Size: Draft 26 ft. *Fuel:* Diesel available. *Airport:* 7 km.
Bitter Lakes, Suez Canal, Egypt . . . 26, 33
Bitung, Indonesia: 1.26 N. 125.12 E. . . . 45
Max. Size: Draft 32 ft., LOA 760 ft. or 60,000 d.w.t.
Fuel: Not all grades fuel available. *Airport:* About 50 km.
Bizerte, Tunisia: 37.17 N. 9.54 E. . . . 21, 24
Max. Size: Depth 11.0 m. *Fuel:* Available.
Dry Docks: Length 247.50 m., width 40.60 m., draft 12 m.
Airport: Tunis, 65 km.
Bjorkanas, see Gustafvik.
Bjorneborg, see Pori.
Black Bay, Ontario, Canada . . . 62
Black Cape, Quebec, Canada: 48.08 N. 65.50 W. . . . 60
Max. Size: Depth 32 ft. LW.
Black Sea . . . 1, 21, 26
Blagopoluchiya, U.S.S.R.: 65.01 N. 35.42 E. . . . 16
Blair, see Port Blair.
Blaine, Washington, U.S.A.: 49.00 N. 122.45 E. . . . 56
Blanc Sablon, Quebec, Canada: 51.25 N. 57.10 W. . . . 59, 60
Blanche Harbour, Solomon Is., 7.26 S. 155.33 E. . . . 48
Blandford, see Port Blandford.
Blanes, Spain: 41.40 N. 2.48 E. . . . 22
Blang Lancang, see Lhokseumawe.
Blankaholm, Sweden: 57.35 N. 16.31 E. . . . 10
Blankenberge, Belgium: 51.19 N. 3.07 E. . . . 7
Blanquilla Is., Venezuela: 11.51 N. 64.37 W. . . . 69
Blaye, France: 45.08 N. 00.40 W. . . . 8, 19
Max. Size: Vessels up to 25 ft. (7.62 m.) draft.
Also see Bordeaux.
Blenheim, New Zealand: 41.40 S. 174.05 E. . . . 52
Blexen, see Bremerhaven.
Blind River, Ontario, Canada: 46.11 N. 82.56 W. . . . 62
Block Is., Rhode Is., U.S.A.: 41.15 N. 71.33 W. . . . 60, 63
Bloody Foreland, Eire: 55.09 N. 8.17 W. . . . 5
Blount Is., see Jacksonville.
Bluefields, Jamaica, see Savanna La Mar.
Bluefields, Nicaragua: 12.00 N. 83.45 W. . . . 69
Bluff, Alaska, U.S.A.: 64.25 N. 163.50 W. . . . 54
Bluff, New Zealand: 46.37 S. 168.22 E. . . . 52
Max. Size: LOA 198 m., beam 29 m., draft 9.15 m. at HW or 225 m. × 33 m. with reduced draft.
Fuel: Available. *Airport:* 16 miles, connects with Auckland.
Bluff Point, W.A., Australia: 27.50 S. 114.05 E. . . . 49
Blyth, U.K.: 55.08 N. 1.30 W. . . . 5
Max. Size: Bulk carriers 22,500 d.w.t., draft 9.8 m., LOA 200 m. Other berths, LOA 190 m., draft 8.5. m.
Fuel: Gas oil. *Dry Docks:* Length 142.6 m., breadth 18.5 m.
Airport: 24 km.
Boa Vista Is., Cape Verde . . . 27
Boca Chica, Dominican Republic: 18.27 N. 69.35 W. . . . 69
Max. Size: LOA 400 ft., draft 25 ft. *Fuel:* By truck from Santo Domingo. *Airport:* 6 km.
Boca Del Pao, Venezuela: 8.05 N. 64.25 W. . . . 74
Boca Grande, Cuba: 21.33 N. 78.40 W. . . . 66, 69
Port no longer in operation.
Boca Grande, Florida, U.S.A.: 26.43.N. 82.15 W. . . . 55, 66, 69
Max. Size: Beam 80 ft., draft 30 ft., LOA 700 ft.
Fuel: No local facilities.
Bocas del Toro, Panama: 9.21 N. 82.14 W . . . 69
Max. Size: Draft 8.84 m. Also see Almirante.
Bocayna Strait, Canary Islands, (Spain) . . . 27
Boda, Sweden: 57.15 N. 17.05 E. . . . 10
Boddam, see Salomon Is.
Bodega Bay, California, U.S.A.: 38.20 N. 123.05 W. . . . 57
Bodo, Norway: 67.17 N. 14.24 E. . . . 9, 15
Max. Size: Draft 22 ft. Oil carriers: 18,000 tons, draft 32 ft.
Fuel: All grades available. *Dry docks:* None. *Airport:* 2 km.
Bodrum, Turkey: 37.02 N. 27.28 E. . . . 25, 26
Bogense, Denmark: 55.34 N. 10.05 E. . . . 11
Boghaz, see Kalecik.
Bogo, Cebu, Philippines: 11.03 N. 124.01 E. . . . 32
Bogorodskoye, U.S.S.R.: 52.20 N. 140.30 E. . . . 42
Bohavan, see Sandakan.
Bohol I., Philippines . . . 45, 46
Bois Blanc I., Michigan, U.S.A.: 45.47 N. 84.27 W. . . . 62
Boke, Guinea: 10.56 N. 14.21 W. . . . 27
Bokna Fjord, Norway . . . 9, 10
Bolama, Guinea Bissau: 11.35 N. 15.28 W. . . . 27
Bolderaja, U.S.S.R.: 57.02 N. 24.03 E. . . . 10
Bolinao, Luzon, Philippines: 16.23 N. 119.55 E. . . . 46
Bolivar, see Port Bolivar.
Bolivar, see Puerto Bolivar.
BOLIVIA . . . 72
Bollsta, see Kranfors.
Boma, Zaire: 5.51 S. 13.03 E. . . . 29
Max. Size: Draft 20 ft. to 27 ft. according local conditions for river transit. Depth alongside 8.0 m.
Bombay, India: 18.56 N. 72.49 E. . . . 1, 37
Max. Size: Draft 30 ft. Tankers: 984 ft. LOA, 42 ft. draft, 50,000 d.w.t. *Fuel:* Available all berths.
Dry Docks: Largest 1,000 ft. long, 100 ft. wide.
Airport: Santacruz, 15 miles.
Bomlo Is., Norway . . . 10
Bonaberi, see Douala.
Bonaire, Netherlands Antilles . . . 69, 73
Bonaire Terminal, Netherlands Antilles:
12.13 N. 68.23 W. . . . 69, 73
Max. Size: 500,000 d.w.t. *Fuel:* Small quantities only.
Bonanza, see Sanlucar de Barrameda.
Bonaparte Gulf, Australia . . . 49
Bonavista, Newfoundland, Canada: 48.40 N. 53.07 W. . . . 60
Bone, see Annaba.
Bongabong, Mindoro, Philippines: 12.45 N. 121.29 E. . . . 46
Bonifacio, (Corsica), France: 41.23 N. 9.10 E. . . . 24
Bonin Is., Japan . . . 45
Bonny Inshore Terminal, Nigeria: 4.26 N. 7.09 E. . . . 28
Max. Size: LOA 320 m. (1,050 ft.), no beam restriction, draft dependent datum depth (33 ft.) and tide. SDWT – 135,000 tonnes. *Fuel:* Only by barge from Port Harcourt.
Bonny Offshore Terminal, Nigeria: 4.11 N. 7.14 E. . . . 28
Max. Size: 320,000 tonnes d.w.t., length no restriction, beam no restriction, draft 22.8 m. (75 ft.) *Fuel:* Only by barge from Port Harcourt. *Airport:* Nearest Port Harcourt.
Bono Bono, Palawan, Philippines: 8.45 N. 117.20 E. . . . 38, 46
Bonsu Terminal, see Saltpond.
Bontang, Indonesia: 00.11 N. 117.12 E. . . . 38, 45
Max. Size: 20,000 d.w.t. Depth alongside 13 m.
LNG: LOA 300 m., 125,000 cu.m., depth 13.5 m.
Fuel: Not available. *Airport:* Samarinda.
Bonthain, Indonesia: 5.33 S. 119.56 E. . . . 45
Bonthe, Sierra Leone: 7. 31 N. 12.30 W. . . . 27, 29
Boom, Belgium: 51.05 N. 4.21 E. . . . 7
Boothbay Harbour, Maine, U.S.A.: 43.51 N. 69.39 W. . . . 46
Boqueron, see Calmanera.

Bora Bora Is., Society Islands 48
Max. Size: See Vaitape.
Borbon, Cebu, Philippines: 10.50 N. 124.02 E. 46
Borburata, see Puerto Borburata.
Bordeaux, France: 44.50 N. 00.34 W. 8, 19, 21
Max. Size: Riverside Quays: Depth 9.4 m. – 11.0 m. at LW. Tankers: LOA 290 m., draft 12.5 m. *Fuel:* All grades available. *Dry Docks:* Length 247 m., width 34 m., depth 13.40 m. *Airport:* 10 km.
Borga, see Porvoo, Finland.
Borgarnes, Iceland: 64.32 N. 21.55 W. 17
Borghi, Argentina: 32.48 S. 60.37 W. 75
Borgholm, Sweden: 56.53 N. 16.39 E. 10
Bories, see Puerto Natales.
Borj Islam, Syria: 35.40 N. 35.48 E. 26
Max. Size: Anchorage depth 11 m. – 40 m.
Borkum, Germany: 53.35 N 6.39 E. 10
Borneo, Indonesia 38, 45
Bornholm, Denmark: 55.05 N. 14.45 E. 9, 10
Borongan, Samar, Philippines: 11.36 N. 125.26 E. 46
Borsele, Netherlands: 51.25 N. 3.44 E. 7
Borstahusen, Sweden: 55.54 N. 12.49 E. 10
Borusan, Turkey: 40.25 N. 29.05 E. 25
Max. Size: Depth 4.5 m. – 8.5 m. *Airport:* At Bursa.
Bosa, (Sardinia), Italy: 40.16 N. 8.32 E. 24
Bosaso, Somalia: 11.16 N. 49.18 E. 31
Bosham, U.K.: 50.50 N. 0.52 W. 7
Boskamp, Suriname: 5.53 N. 55.56 W. 69
Bosporous, see Istanbul.
Boston, U.K.: 52.58 N. 00.02 W. 5, 7
Max. Size: LOA 100 m. Depth of lock sill 5.4 m. – 7.5 m. *Fuel:* By road.
Boston, Massachusetts, U.S.A.: 42.21 N. 71.05 W. . . . 55, 60, 63
Max. Size: Primary entrance controlling depth is 35 ft. MLW. Tankers: Depth 40 ft. MLW. Chelsea Creek: LOA 661 ft., beam 90 ft., draft 36 ft. HW. *Fuel:* All grades. *Dry Docks:* Capacity 20,000 tons. *Airport:* Logan International.
Botany Bay, N.S.W. Australia: 34.00 S. 151.14 E. 49
Max. Size: Tankers: LOA 253 m. or draft 14 m., 40,000 d.w.t. Container: LOA 310 m., depth 15.3 m. *Fuel:* Marine fuel and diesel oil available. *Dry Docks:* None. *Airport:* International, 6 km.
Botas (Ceyhan) and Terminal, see Golovasi.
Botea, Sweden: 63.05 N. 17.50 E. 15
Botwood, Newfoundland, Canada: 49.09 N. 55.20 W. 60
Max. Size: Up to 32 ft. draft. *Fuel:* Only light diesel available. *Airport:* Gander International, 60 miles.
Boucau, France: 43.31 N 1.29 W. 19
Bouet, see Port Bouet.
Bougainville Is., Papua New Guinea 48
Bougie, see Bejaia.
Boulogne-sur-Mer, France: 50.43 N. 1.35 E. 7
Max. Size: LOA 230 m., draft 11 m. (neaps), 35,000 d.w.t. (approx.). *Fuel:* Tanker lorry from Dunkirk. *Airport:* Le Touquet, 50 km.
Bounty Bay, see Pitcairn Is.
Bounty Is., New Zealand: 47.42 S. 179.03 E. 52
Bourgas, Bulgaria: 42.30 N. 27.29 E. 21, 26
Max. Size: Channel depth 29 ft. 06 in. Tankers: Draft 39 ft. *Fuel:* Diesel and gas oil available. *Airport:* International.
Bouri, Libya: 33.54 N. 12.39 E. 24
Max. Size: 150,000 d.w.t., LOA 283 m., beam 44 m. and draft no limit. *Fuel:* Available in emergency only.
Bournemouth, U.K.: 50.43 N. 1.53 W. 5
Bovallstrand, Sweden: 58.29 N. 11.19 E. 10
Bowen, Queensland, Australia: 20.01 S. 148.15 E. 49
Coal handling facility being dismantled.
Bowling, see Glasgow.
Bowmore, U.K.: 55.45 N. 6.17 W. 5
Bozca Ada, Turkey: 39.50 N. 26.06 E. 25
Brac Is., Yugoslavia 24
Braefoot Bay Terminal, U.K.: 56.02 N. 3.19 W. 5
Max. Size: Channel depth 8.5 m. Depth alongside 10 m. – 15 m. *Fuel:* BFO and marine gas oil. *Airport:* Edinburgh 30 miles.
Braganca, Brazil: 1.05 S. 47.02 W. 72
Braganza Bay, (Spitsbergen), Norway 17
Brahestad, see Raahe.
Braila, Romania: 45.17 N 27.59 E. 26
Max. Size: See Sulina. *Airport:* Tulcea.
Braithwaite, Louisiana, U.S.A.: 29.52 N. 89.57 W. 67
Brake, Germany: 53.20 N. 8.29 E. 8, 10
Max. Size: LOA 265 m. (869 ft.), draft 37 ft. fresh water. Tankers: Draft 33 ft. *Fuel:* All grades available by bunker barges. *Dry Docks:* Max. LOA 85 m. (279 ft.), breadth 16 m. (52 ft. 6 in.), draft 13 ft. 1 in. *Airport:* Bremen, 57 km.
Braniewo, Poland: 54.20 N. 19.50 E. 10
Brannfors, see Byske.
Branolao, see Lisbon.
Brasil, see Bonaire Terminal.
Brass Off-Shore Terminal, Nigeria: 4.04 N. 6.17 E. 28
Max. Size: About 250,000 d.w.t. *Fuel:* Not available.
Brass River, Nigeria: 4.19 N. 6.14 E. 28
Brava, Somalia: 1.06 N. 44.03 E. 31
Brava Is., Cape Verde: 14.50 N. 24.45 W. 27
Braviken, Sweden: 58.38 N. 16.16 E. 10
Max. Size: Depth 8.8 m. (MLW).
BRAZIL 72
Brazos, see Freeport (Texas).
Brazzaville, Congo: 4.10 S. 15.10 E. 29
Bredavik, Sturko Is., Sweden 10
Brega, see Marsa el Brega.
Brekstad, Norway: 63.30 N. 9.45 E. 15
Bremen, Germany: 53.07 N. 8.45 E. 8, 9, 10
Max. Size: LOA 230 m., draft 9.45 m., in F.W. *Fuel:* All grades available. *Dry Docks:* Up to 240,000 d.w.t. *Airport:* International.
Bremerhaven, Germany: 53.33 N. 8.35 E. 8, 9, 10
Max. Size: LOA 340 m., draft 42 ft. 8 in. in fresh water. *Fuel:* All grades available. *Dry Docks:* Capacity 75,000 tons. *Airport:* 4 miles.
Bremerton, Washington, U.S.A.: 47.34 N. 122.40 W. 56
Bressay Is., U.K.: 60.08 N. 1.05 W. 5
Brest, France: 48.24 N. 4.30 W. 19
Max. Size: Inside harbour: LOA 320 m., draft up to 35 ft. *Fuel:* All grades available. *Dry Docks:* Dimensions 420 m. by 80 m. Can accept 550,000 d.w.t. vessels. *Airport:* Guipavas, 7 km.
Breton Is., Louisiana, U.S.A. 67
Breton Sound, Mississippi Delta, U.S.A. 67
Breves, Brazil: 1.42 S. 50.29 W. 72
Brevik, Norway: 59.03 N. 9.43 E. 8, 9, 10
Max. Size: LOA 900 ft., draft 46 ft. Tankers: LOA 600 ft., beam 85 ft., draft 34 ft. *Fuel:* All grades. *Airport:* Oslo, 100 miles.
Brewer, see Bangor, Maine, U.S.A.
Bridgeport, Connecticut, U.S.A.: 41.07 N. 73.11 W. 63
Max. Size: 70,000 d.w.t. and LOA 825 ft., draft 37 ft. (HW). Tankers: LOA 700 ft., depth 38 ft. MLW. *Fuel:* Available at tanker berth only. *Airport:* 3 miles.
Bridgetown, Barbados: 13.06 N. 59.38 W. 69, 71
Max. Size: LOA 293 m., draft 9.6 m. Tankers: Draft 11.6 m. *Fuel:* All grades. *Dry Dock:* 73.15 m.×14.02 m.×3.96 m. *Airport:* 13 miles.
Bridgewater, Nova Scotia, Canada: 44.23 N. 64.31 W. 60
Max. Size: LOA 325 ft., draft 20 ft. *Fuel:* Diesel and gasoline. *Airport:* Halifax, 90 miles.
Bridgwater, U.K.: 51.08 N. 3.00 W. 6, 7
Bridlington, U.K.: 54.05 N. 00.12 W. 5
Max. Size: Fishing vessels only. *Fuel:* All grades available. *Airport:* Yeadon, 45 miles.
Bridport, Tasmania, Australia: 41.00 S. 147.24 E. 49
Bridport, U.K.: 50.43 N. 2.46 W. 5, 7
Brieholz, Germany: 12
Max. Size: See Kiel.
Brier Is., see Westport, Nova Scotia.
Briera, see Port Briera.
Brightlingsea, U.K.: 51.48 N. 1.02 E 7
Brighton, Trinidad: 10.15 N. 61.38 W. 69, 71, 74
Max. Size: Outer Berth East: 29 ft. 6 in.(MLWST). Sobo: Berth not in operation. *Fuel:* All grades. See also Port of Spain.
Brighton, U.K.: 50.49 N. 00.07 W. 5, 7
Brignogan, France: 48.40 N. 4.20 W. 19
Brindisi, Italy: 40.39 N.17.56 E. 21, 24
Max. Size: Inner Harbour: Draft 9.4 m. (30 ft. 10 in.). Offshore Terminal: Draft 11.50 m. (37 ft. 8 in.). *Fuel:* Bunker "C" and gas oil. *Airport:* 5 km.
Brisbane, Queensland, Australia: 27.27 S. 153.04 E. 48, 49
Max. Size: Draft at HWOST for tankers 12.2 m., for cargo vessels 9.7 m. *Fuel:* Distillate diesel fuel or fuel oil. *Airport:* International.
Bristol, U.K.: 51.30 N. 2.42 W. 5, 6, 7
Max. Size: Avonmouth: LOA 950 ft., beam 130 ft., draft 40 ft. *Fuel:* Most grades available. *Dry Docks:* Length 875 ft., width 100 ft., depth on sill 32 ft. *Airport:* 12 miles, connects with London Heathrow, etc.
Bristol, Pennsylvania, U.S.A.: 40.06 N. 74.51 W. 63
Bristol, Rhode Is., U.S.A.: 41.40 N. 71.16 W. 63
Bristol Bay, Alaska, U.S.A. 54
Bristol Channel, U.K. 5, 6
Britannia Beach, see Squamish.
British Columbia, Canada 56
British Virgin Is., (U.K.) 69
Briton Ferry, see Neath.
Britt, Ontario, Canada: 45.45 N. 80.35 W. 62

Brixham, U.K.: 50.24 N. 3.30 W. 5
Max. Size: LOA 500 ft., draft 26 ft. *Fuel:* Available.
Airport: Exeter, 35 miles.
Broadford, U.K.: 57.15 N. 5.54 W. 5
Brockville, Ontario, Canada: 44.36 N. 75.40 W 61
Brodick, U.K.: 55.34 N. 5.09 W. 5
Brofjorden, Sweden: 58.21 N. 11.25 E. 10
Max. Size: Crude Oil Jetty: 500,000 d.w.t., draft 25 m.
Product Jetty: 50,000 d.w.t., draft 14.4 m.
Fuel: Available. *Dry Docks:* Gothenburg.
Airport: Gothenburg, 100 km.
Bromarv, Finland: 60.00 N. 23.02 E. 10
Bromborough Dock, see Manchester Ship Canal.
Bronnoysund, Norway: 65.30 N. 12.13 E. 15
Max. Size: Inner: Depth 18 ft. – 24 ft. Outer: Depth 60 ft.
Fuel: Delivered to all berths. *Airport:* 2 km.
Bronx, New York, U.S.A.: 40.50 N. 73.50 W. 63
Brookings, Oregon, U.S.A.: 42.04 N. 124.15 W 56, 57
Brooklyn Marine Terminal, see New York.
Brooklyn, New York, U.S.A.: 40.41 N. 74.01 W. 63
Max. Size: See New York
Broome, W.A., Australia: 17.59 S. 122.14 E. 49
Max. Size: Draft 9.15 m. *Fuel:* Diesel.
Airport: Connects with Perth.
Brora, U.K.: 58.01 N. 3.45 W. 5
Brouwershaven, Netherlands: 51.45 N. 3.55 E. 7
Brownsville, Texas, U.S.A.: 25.54 N. 97.28 W. 55, 66, 69
Max. Size: LOA 875 ft., beam 135 ft., draft 35 ft.
Fuel: No fuel locally. Must be barged from Corpus Christi.
Airport: 2 miles.
Bruce Mines, Ontario, Canada: 46.17 N. 83.47 W. 62
Bruges, Belgium: 51.13 N. 3.13 E. 7
Max. Size: Beam 19 m., draft 5.9 m. *Fuel:* See Zeebrugge.
Airport: Ostend, 30 km. Brussels, 120 km.
Bruja Point, Panama: 8.53 N. 79.35 W. 70
BRUNEI DARUSSALAM 38, 45
Brunsbuttel, Germany: 53.53 N. 9.09 E. 8, 10, 11, 12
Max. Size: Dimensions of Lock: Length 310 m., beam 42 m.
Canal: Up to 235 m. LOA and 32.5 m. beam.
Tankers: LOA 400 m., draft 12.95 m.
Fuel: All grades available. *Airport:* Hamburg, 90 km.
Brunswick, Georgia, U.S.A.: 31.09 N. 81.30 W. 55, 66
Max. Size: LOA 650 ft., over 33,000 d.w.t. *Fuel:* Bunker "C" at piers, others by barge. *Dry Docks:* None.
Airport: 20 minutes drive.
Brusnitchnoe, see Saimaa Canal.
Brussels, Belgium: 50.51 N. 4.22 E. 7
Max. Size: LOA 344 ft. 6 in., extreme breadth 48 ft. 2 in., draft 19 ft. *Fuel:* All grades available. *Airport:* International.
Bryher Is., (Scilly Is.), U.K.: 49.57 N. 6.21 W 19
Buatan, Indonesia: 0.45 N. 101.50 E. 38
Max. Size: LOA 110 m. 5,000 d.w.t. Depth alongside 6.5 m.
Fuel: Not available. *Airport:* At Pekanbaru.
Bubiyan Is., Kuwait: 29.50 N. 48.15 E. 35
Buchanan, Liberia: 5.52 N. 10.02 W. 27, 29
Max. Size: Tankers: Draft 27 ft. Bulkers: Depth 14 m. below zero. *Fuel:* Not available.
Airport: Roberts International, 1 hour.
Bucharest, Romania: 44.27 N. 25.30 E. 26
Buchas, see Lisbon.
Buckhaven, see Methil.
Buckie, U.K.: 57.41 N. 2.57 W. 5
Max. Size: LOA 82 m., beam 12 m., draft 4.5 m. (HW).
Fuel: Available. *Airport:* Aberdeen 55 miles.
Buckner Bay, see Nishihara.
Bucksport, Maine, U.S.A.: 44.34 N. 68.48 W. 60
Buctouche, New Brunswick, Canada: 46.28 N. 64.43 W. 60
Bud, Norway: 62.54 N. 6.55 E. 15
Bude, U.K.: 50.50 N. 4.33 W. 5
Max. Size: LOA 90 ft., beam 25 ft., draft 8 ft.
Budge Budge, see Calcutta.
Buenaventura, Colombia: 3.53 N. 77.05 W. 69, 72
Max. Size: Draft 28 ft. *Fuel:* Gas oil and bunker "C" fuel.
Airport: Internal, 18 km.
Buenos Aires, Argentina: 34.46 S. 58.22 W. 72, 75
Max. Size: Depth 32.5 ft. *Fuel:* Available by barge.
Dry Docks: Largest: 180 m. (590 ft.)×22.1 m. (92 ft.), draft limit 20 ft. *Airport:* Available.
Bufadero, see Nuevitas.
Buffalo, New York, U.S.A.: 42.55 N. 78.55 W. 55, 60, 62
Max. Size: LOA 730 ft. and Seaway draft. (See also St. Lawrence Seaway). *Fuel:* All grades. *Airport:* 5 miles.
Buffington, Indiana, U.S.A.: 41.38 N. 87.25 W. 62
Bugama, Nigeria: 4.45 N. 6.53 E. 28
Bugaz, Romania: 46.05 N. 30.29 E. 26
Bugo, see Villaneuva.
Bugrino, U.S.S.R: 69.00 N. 49.50 E. 16
Buitagro, see Ramallo.
Buka, Papua New Guinea: 5.26 S. 154.40 E. 48
Max. Size: Depth alongside 12 ft. (3.65 m.) at LAT.
Fuel: Not available.
Bukpyung, S. Korea: 37.29 N. 129.08 E. 41
Max. Size: Draft 11.8 m. (SW) *Fuel:* Available.
Airport: Nearest at Soeul.
Bula, Indonesia: 3.06 S. 130.30 E. 45
Buldir Is., Alaska, U.S.A.: 52.25 N. 176.00 E. 54
Buleleng, Indonesia: 8.06 S. 115.06 E. 38
BULGARIA 21, 26
Bulhar, Somalia: 10.25 N. 44.24 E. 31, 32
Bullen Bay, (Curacao), Netherlands Antilles:
12.11 N. 69.01 W. 69, 73
Max. Size: 530,000 d.w.t., depth 94 ft.
Fuel: All grades.
Bulli, N.S.W., Australia: 34.20 S. 150.56 E. 49
Bulukumba, Indonesia: 5.30 S. 120.10 E. 45
Bulwer Is., see Brisbane.
Buna, Papua New Guinea: 8.40 S. 148.24 E. 45
Bunbeg, Eire: 55.03 N. 8.18 W. 5
Bunbury, W.A., Australia: 33.19 S. 115.38 E. 49
Max. Size: Outer Harbour: LOA 220 m., draft 9.0 m.
Inner Harbour: LOA 244 m., draft 11.6 m. *Fuel:* Furnace oil, marine and light diesel. *Airport:* Light aircraft only.
Buncrana, Eire: 55.08 N. 7.28 W. 5
Bundaberg, Queensland, Australia: 24.45 S. 152.24 E. 49
Max. Size: LOA 182.87 m. Depths: Sugar Berth 10 m.
Oil Berth 10 m. *Fuel:* All grades available.
Airport: Domestic, 2 miles.
Bungo Channel, Japan 42, 44
Bunguran Is., Indonesia: 4.45 N. 108.00 E. 38
Bunyu, Indonesia: 3.28 N. 117.50 E. 38
Max. Size: 30,000 d.w.t. LOA 185 m. Depth 15.3 m.
Fuel: Not available. *Airport:* At Tarakan.
Buol, Indonesia: 1.10 N. 121.27 E. 45
Buras, Louisiana, U.S.A.: 29.22 N. 89.32 W. 67
Burea, Sweden: 64.37 N. 21.15 E. 15
Burela, Spain: 43.39 N. 7.20 W. 19, 20
Max. Size: Draft up to 20 ft.
Burg, Germany: 53.59 N. 9.17 W. 12
Max. Size: See Kiel.
Burgas, see Bourgas.
Burgeo, Newfoundland, Canada: 47.36 N. 57.36 W. 60
Burghead, U.K.: 57.42 N. 3.30 W. 5
Burgstaaken, see Puttgarden.
Burgsvik, Gotland Is., Sweden: 57.02 N. 18.17 E. 10
Burin, Newfoundland, Canada: 47.03 N. 55.10 W. 60
Burketown, N.T., Australia: 17.44 S. 139.33. E. 49
Burlington, New Jersey, U.S.A.: 40.05 N. 74.52 W 63, 65
Burlington, Ontario, Canada: 43.19 N. 79.48 W. 62
BURMA, see Myanmar.
Burnham, U.K.: 51.37 N. 00.49 E. 7
Burnie, Tasmania, Australia: 41.03 S. 145.55 E. 49
Max. Size: Depth 6.5 m. – 11.5 m., LOA 280 m.
Tankers: Draft 10.9 m. *Fuel:* Diesel and heavy fuel.
Airport: 17 km.
Burns Harbour, Indiana, U.S.A.: 41.38 N. 87.11 W. 55, 62
Max. Size: Depth 27 ft. at berths.
Burnside, Louisiana, U.S.A.: 30.08 N. 90.55 W. 67
Max. Size: Bulk Berth: Depth 40 ft. Ormet Berth: LOA 305 m., beam 41 m. and draft 12.19 m.
Shell (St. James): Depth 55 ft. – 60 ft. *Fuel:* Not available.
Burntisland, U.K.: 56.03 N. 3.14 W. 5, 6
Max. Size: Depth 8.6 m. (MHWS), beam 16.8 m.
Burravoe, U.K.: 60.30 N. 1.15 W. 5
Burriana, Spain: 39.52 N. 00.03 W. 22
Burtonport, Eire: 55.00 N. 8.26 W. 5
Buru Is., Indonesia 45
Buru Sea, Indonesia 45
Burutu, Nigeria: 5.21 N. 5.31 E. 28
(Port not in use).
Burwell, see Port Burwell.
Busan, South Korea: 35.07 N. 129.02 E. 1, 41, 42
Max. Size: 50,000 d.w.t., LOA 330 m., draft 12.5 m.
Fuel: Bunker "A", Bunker "C", LRFO, LO and diesel oil.
Dry Docks: 80,000 g.r.t. *Airport:* 28 km.
Bushire, Iran: 28.59 N. 50.50 E. 31, 35
Max. Size: LOA 600 ft., draft 27 ft.
Fuel: Not available. *Airport:* 7 km.
Busselton, W.A., Australia: 33.38 S. 115.20 E. 49
Busuanga, see Basuanga.
Busum, Germany: 54.08 N. 8.51 E. 8, 12
Butaritari Is., Kiribati: 3.05 N. 172.50 E. 48
Butcher Island, see Bombay.
Butchers Cove, Newfoundland, Canada: 48.51 N. 54.00 W. 60
Butedale, British Columbia, Canada: 53.10 N. 128.41 W. 56
Butler Point, Massachusetts, U.S.A.: 41.41 N. 70.43 W. 64
Butt of Lewis, U.K.: 58.31 N. 6.16 W. 5
Buttermilk Bay, Massachusetts, U.S.A. 64

Butterworth, Malaya, Malaysia: 5.24 N. 100.23 W. **38, 39**
Max. Size: See Penang.
Button Bay, see Churchill.
Button Is., see Port Burwell, Labrador.
Butuan, Mindinao, Philippines: 8.57 N. 125.32 E. **46**
Max. Size: 2,000 d.w.t.
Butuku-Lula, see San Carlos, Equatorial Guinea.
Butzfleth, Germany: 53.39 N. 9.31 E. **8, 10**
Max. Size: Draft 46 ft. 6 in. FW.
Fuel: Supplied by barge from Brunsbuttel or Hamburg.
Buyukada, Turkey: 40.52 N. 29.08 E. **25**
Buyukcekmece, Turkey: 41.01 N. 28.35 E. **26**
Buyukdere, Turkey: 41.09 N. 29.02 E. **25**
See also Istinye, Istanbul.
Buzzards Bay, Massachusetts, U.S.A.: 41.45 N. 70.37 W. **64**
Bwagaola, Misima Is., Papua New Guinea: 10.41 S. 152.51 E. . **45**
Byng Inlet, see Britt.
Byron Bay, N.S.W., Australia: 28.38 S. 153.37 E. **49**
Byske, Sweden: 64.56 N. 21.11 E. **15**
BZ 28 Terminal, China: 38.19 N. 119.38 E. **41**
Max. Size: 80,000 d.w.t.
BZ 34 Terminal, China: 38.07 N. 119.33 E. **41**
Max. Size: 110,000 d.w.t. *Fuel:* Not available.

NOTES, ADDITIONS, CORRECTIONS

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C

Cabanas, Cuba: 23.00 N. 82.59 W. **69**
Max. Size: Draft 19 ft., LOA 574 ft. *Fuel:* Not available.
Cabedelo, Brazil: 6.58 S. 34.50 W. **72**
Max. Size: LOA 210 m., draft Spring tide 30 ft. Neap 28 ft.
Fuel: Fuel oil, diesel. *Airport:* 9 km. from Joao-Pessoa.
Cabello, see Puerto Cabello.
Cabezas, see Puerto Cabezas.
Cabimas, Venezuela: 10.23 N. 71.29 W. **73**
Cabinda, Angola: 5.32 S. 12.11 E. **29**
(Incl. Landana: 5.13 S. 12.08 E.)
Max. Size: At anchorage, 32 ft. draft. Tankers: Depth 75 ft. – 245 ft. LNG: 55,000 d.w.t., depth 100 ft.
Fuel: Not available. *Airport:* 4 miles, connects with Luanda.
Cabo Blanco, Peru: 4.16 S. 81.15 N. **72**
Cabo Frio, Brazil: 22.53 S. 42.00 W. **72**
Cabo Negro, Chile: 53.01 S. 70.51 W. **72**
Max. Size: LOA 200 m., draft 42 ft., 45,000 d.w.t.
Fuel: Not available. *Airport:* See Punta Arenas.
Cabo Rojo, Dominican Republic: 17.55 N. 71.39 W. **69**
Max. Size: LOA 600 ft., draft 40 ft. *Fuel:* Not available.
Airport: 360 km.
Cabo Ruivo, see Lisbon.
Cabo San Juan, Equatorial Guinea: 1.10 N. 9.21 E. **28**
Cabot Strait, Gulf of St. Lawrence **60**
Cabrera Is., Balearic Islands, Spain: 39.06 N. 2.59 E. **22**
Cabruto, Venezuela: 7.50 N. 66.12 W. **74**
Cacheu, Guinea: 12.17 N. 16.13 W. **27**
Cadiz, Negros, Philippines: 10.57 N. 123.19 E. **46**
Cadiz, Spain: 36.30 N. 6.20 W. **20, 21, 22, 27**
Max. Size: Cargo Vessels: Depth 10 m. – 12 m. (LW). Tankers: Depth 9.5 m. – 12.0 m. *Fuel:* Fuel, gas oil and marine diesel. *Dry Docks:* Largest 380 m. long, 66.65 m. wide. Puerto Real Factory Dry Dock 500 m. length, 100 m. width, and 9.0 m. draft, can accommodate vessels up to 400,000 tons. *Airport:* Jerez, 30 km. Seville, 150 km.
Caen, France: 49.13 N. 00.21 W. **7, 8, 19**
Max. Size: Daytime: LOA 205 m., beam 23.8 m., draft 28.8 ft. (8.8 m.), sea water. Tankers: Draft 8.6 m. *Fuel:* Can only be supplied by tanker lorries. *Airport:* 12 km. from the port.
Caernarvon, U.K.: 53.08 N. 4.16 W. **5**
Cagayan de Oro, Mindanao, Philippines: 8.30 N. 124.40 E. **45, 46**
Max. Size: Draft 13 m. *Fuel:* Fuel oil.
Airport: Lumbia Airport, 9 km.
Cagliari, (Sardinia), Italy: 39.05 N. 9.01 E. **21, 24**
Max. Size: Draft 26 ft. Tankers: See Sarroch.
Fuel: All grades available. *Airport:* Elmas Airport, 12 km.
Caibarien, Cuba: 22.32 N. 79.28 W. **69**
Max. Size: Anchorage: Draft 36 ft. *Fuel:* Not available.
Caicara, Venezuela: 7.50 N. 66.12 W. **74**
Caicos Is., Turks and Caicos Is., (U.K.) **69**
Caimanera, Cuba: 19.59 N. 75.09 W. **69**
(incl. Boqueron 19.59 N. 75.07 W., Deseo 19.59 N. 75.08 W.)
Max. Size: Draft 19 ft. LOA 500 ft. Tankers: LOA 610 ft.
Fuel: Not available.
Caimito, see Porto Caimito.
Cairnryan, U.K.: 54.58 N. 5.02 W. **5**
Cairns, Queensland, Australia: 16.56 S. 145.47 E. **49**
Max. Size: Depth 8.6 m. – 10.7 m. Tankers: LOA 183 m., depth 9.5 m. *Fuel:* Available. *Dry Docks:* 61 m. long and 12.2 m. wide for vessels 58 m. length.
Airport: Cairns International.
Cajimaya, see Antilla.
Cala Figuera, see Mahon.
Calabar, Nigeria: 4.58 N. 8.17 E. **28**
(incl. New Port: 5.04 N. 8.16 E.)
Max. Size: Draft 7.0 m., LOA 170 m. New Port: LOA 170 m., depth 9.0 m. (HW). *Airport:* At Calabar.
Calais, France: 50.58 N. 1.50 E. **7**
Max. Size: LOA 245 m., draft 11.5 m.
Fuel: Any fuel supplied by tank lorry of large capacity.
Dry Docks: 153 m. long, 21 m. wide, depth at sill 7.45 m.
Airport: Calais, Dunkirk (International), 7 km.
Calais, Maine, U.S.A.: 45.11 N. 67.17 W. **60**
Calamian Group, Philippines **45, 46**
Calang, Indonesia: 4.38 N. 95.36 E. **38**
Calapan, Mindoro, Philippines: 13.25 N. 121.08 E. **46**
Calarasi, Romania: 44.12 N. 27.20 E. **26**
Calbayog, Samar, Philippines: 12.04 N. 124.38 E. **46**
Calcutta, India: 22.32 N. 88.22 E. **37, 38**
(Incl. Budge Budge: 22.30 N. 88.8 E.)
Max. Size: Max. LOA 565 ft., beam 80 ft., draft 8.70 m. Tankers: Budge Budge: LOA 620 ft., draft 9.0 m.
Fuel: Redwood 600/700 sec. supplied at Calcutta. Fuel also supplied at Budge Budge Terminal. *Dry Docks:* 5 dry docks. Largest 596 ft.×80 ft.×22 ft. (Length/beam of vessel allowed: 565 ft.×75 ft.). *Airport:* 12 miles.
Calder, Alaska, U.S.A.: 56.10 N. 133.45 W. **56**

Caldera, Chile: 27.03 S. 70.53 W. 72
Max. Size: Ore Quay: LOA 240 m., max. draft 44 ft. Tankers: Copec: LOA 200 m., depth 39 ft.
Fuel: Not available. *Airport:* At Copiapo, 75 km.
Caldera, Costa Rica: 9.54 N. 84.43 W. 69
Max. Size: Draft 10.0 m., LOA 205 m.
Fuel: By road tanker. *Airport:* International, 100 km.
Calderilla, Chile: 27.05 S. 70.52 W. 72
Max. Size: LOA 240 m., draft 40 ft., 60,000 d.w.t.
Fuel: Not available.
Caledonian Canal, U.K.: 5
Max. Size: LOA 160 ft. (48.77 m.), beam 35 ft. (10.67 m.), draft 9 ft. (2.74 m.) or LOA 150 ft. (45.72 m.), beam 35 ft., draft 13 ft. 6 in. (4.11 m.). Also see Corpach.
Fuel: Available by road tanker. *Airport:* Inverness (Dalcross).
Caleta Clarencia, see Port Percy.
Caleta Cordova, Argentina: 45.43 S. 67.21 W. 72
Max. Size: See Comodoro Rivadavia.
Caleta Olivares, see Caleta Cordova.
Caleta Olivia, Argentina: 46.26 S. 67.31 W. 72
Max. Size: SPM: Depth 115 ft., 100,000 d.w.t.
Caleta Tagus, (Galapagos), Ecuador: 0.16 S. 91.22 W. 69
Calicut, India: 11.15 N. 75.46 E. 37
Max. Size: (Anchorage) depth 30 ft. – 33 ft.
Fuel: Small quantity of 30 tons can be provided.
Dry Dock: See Beypore. *Airport:* Cochin, 150 km.
Callfornia, U.S.A. 48, 56, 57
Calingapatnam, see Kalingapatnam.
Callao, Peru: 12.03 S. 77.10 W. 72
Max. Size: Length and breadth unlimited, draft 32 ft. plus height of tide, less keel clearance. Tankers: LOA (approx.) 200 m., depth in berth 35 ft., depth in approaches 33 ft. (HW), 31 ft. (LW). *Fuel:* Available. *Dry Docks:* Largest: Length 632 ft. ×82 ft. × 21 ft. *Airport:* Lima/Callao, International.
Caloundra, Queensland, Australia: 26.47 S. 153.10 E. 49
Calumet, Quebec, Canada: 45.41 N. 74.40 W. 60
Calumet, Illinois, U.S.A.: 41.44 N. 87.31 W. 62
Max. Size: See Chicago.
Calvi, (Corsica), France: 42.34 N. 8.46 E. 24
Max. Size: Draft 6.5 m., LOA 140 m.
Fuel: Diesel available.
Cam Ranh, Vietnam: 11.53 N. 109.10 E. 38
Camaret, France: 48.17 N. 4.37 W. 19
Camarinas, Spain: 43.08 N. 9.11 W. 20
Camarones, Argentina: 44.48 S. 65.44 W. 72
Cambay, India: 22.19 N. 72.34 E. 37
CAMBODIA 38
Cambridge, Maryland, U.S.A.: 38.34 N. 76.03 W. 63, 65
Camden, New Jersey, U.S.A.: 39.57 N. 75.08 W. 63, 65
Max. Size: Depths to 40 ft. See also Philadelphia.
Cameron, Louisiana, U.S.A.: 29.50 N. 93.20 W. 66
CAMEROON REPUBLIC 28, 29
Cameta, Brazil: 2.12 S. 49.30 W. 72
Camiguin Is., see Mambajao.
Caminha, Portugal: 41.51 N. 8.50 W. 20
Camocim, Brazil: 2.51 S. 40.52 W. 72
Camogli, Italy: 44.21 N. 9.09 E. 24
Camp Lloyd, Greenland, (Denmark): 66.58 N. 50.57 W. 17
Max. Size: Depth 3 m. Tankers: 10 m. – 26 m. depth at mooring. *Airport:* Heliport.
Campachuela, see Ceiba Hueca.
Campana, Argentina: 35.15 S. 58.58 W. 67
Max. Size: Up to 27 ft. draft, LOA 225 m., dependent on local river conditions. Depth alongside 20 ft. – 35 ft. Tankers: Depth 18 ft. – 45 ft. *Fuel:* Available.
Campbell, see Port Campbell.
Campbell Is., (New Zealand): 52.32 S. 169.04 E. 52
Campbell River, British Columbia, Canada: 50.02 N. 125.14 W. 56
Campbellton, New Brunswick, Canada: 48.00 N. 66.42 W. 60
Campbeltown, U.K.: 55.25 N. 5.36 W. 5
Max. Size: LOA 230 ft., draft 12 ft. Tankers: Depth 40 ft.
Fuel: Marine gas oil. *Airport:* Machrihanish, 3 miles.
Campeche, Mexico: 19.50 N. 90.33 W. 69
Campha, Vietnam: 21.03 N. 107.21 E. 38
Max. Size: LOA 180 m. *Airport:* Noi Bai, 180 km.
Campo, Cameroon: 2.20 N. 9.50 E. 28, 29
Campoton, Mexico: 19.21 N. 90.45 W. 69
CANADA 54, 56, 59, 60, 61, 62
Canakkale, Turkey: 40.08 N. 26.24 E. 25, 26
Max. Size: Anchorage in 12 – 16 fathoms.
Fuel: Not available. *Airport:* Domestic, 2 km.
Cananova, Cuba: 20.41 N. 75.05 W. 69
Canaport, New Brunswick, Canada: 45.12 N. 65.59 W. 60
Max. Size: 350,000 d.w.t. – 400,000 d.w.t. Depth 120 ft. (LW) – 150 ft. (HW). *Fuel:* Available by barge.
Also see Saint John.
Canary Islands, (Spain) 18, 27
Canaveral, see Port Canaveral.
Cancale, France: 48.40 N. 1.51 W. 7, 19
Max. Size: Depths 0.5 m. – 13 m. at Spring Tide.
Fuel: Diesel only. *Airport:* Dinard, 30 km.
Candala, Somalia: 11.30 N. 50.00 E. 31
Candarli, Turkey: 38.56 N. 26.57 E. 25
Canea, (Crete), Greece: 35.30 N. 24.04 E. 25, 26
Cannanore, India: 11.52 N. 75.22 E. 37
Cannes, France: 43.33 N. 7.01 E. 22
Max. Size: Anchorage. *Airport:* Nice – Cote d'Azur, 20 km.
Canning, see Port Canning.
Canso, Nova Scotia, Canada: 45.20 N. 61.00 W. 60
Canso Canal, Nova Scotia, Canada: 60
Max. Size: LOA 715 ft., beam 75 ft., draft 28 ft. or 30 ft. by arrangement.
Canterbury Bight, New Zealand 52
Canton, see Guangzhou.
Canton, Phoenix Is., Kiribati: 2.50 S. 171.40 W. 48
Canvey, U.K.: 51.35 N. 00.35 E. 6, 7
Max. Size: LOA 580 ft., draft 32 ft. Also see Tilbury.
Cap Chat, Quebec, Canada: 49.06 N. 66.40 W. 60
Cap Haitien, Haiti: 19.46 N. 72.12 W. 69
Max. Size: Depth 11 m. *Fuel:* Available in drums.
Cap Lopez, Gabon: 0.38 S. 8.43 E. 29
Max. Size: 250,000 d.w.t.
Capbreton, France: 43.40 N. 1.25 W. 19
Cape Breton Is., Canada 60
Cape Charles, Virginia, U.S.A.: 37.16 N. 76.01 W. 63
Cape Coast, Ghana: 5.07 N. 1.16 W. 29
Cape Cod Bay, U.S.A. 64
Cape Cod Canal, Massachusetts, U.S.A.: 60, 63, 64
Max. Size: Canal and alongside: Depth 32 ft. MLW. Tankers: See "Sandwich".
Cape Cuvier, W.A., Australia: 24.13 S. 113.23 E. 49
Max. Size: Depth 52 ft., 65,000 d.w.t. *Fuel:* Not available.
Airport: Connects with Perth.
Cape Dorset, N.W. Territories, Canada: 64.55 N. 76.33 W. 59
Cape Flattery, Queensland, Australia: 14.59 S. 145.21 E. 49
Max. Size: 170,000 d.w.t., draft 14 m.
Fuel: Not available. *Airport:* Light aircraft only.
Cape Lambert, see Port Walcott.
Cape Limboh, see Limbe.
Cape Lopez, Gabon: 0.38 S. 8.43 E. 29
Max. Size: 250,000 d.w.t., LOA 340 m., draft 20.50 m. (67 ft.)
Fuel: 1,500 sec./3,500 sec. *Airport:* 15 minutes.
Cape Preston, W.A., Australia: 20.50 S. 116.10 E. 49
Cape St. Jacques, see Vung Tau.
Cape Town, South Africa: 33.56 S. 18.26 E. 1, 29
Max. Size: Passenger and dry cargo vessels: LOA 305 m., draft 10.97 m. Tankers: (For discharging) LOA 820 ft., draft 13.1 m. (tidal). Tankers/ore carriers in ballast up to 350 m. in length, 350,000 d.w.t. and draft 13.1 m. may berth for bunkers, repairs etc. *Fuel:* All grades available.
Dry Docks: Largest: Overall docking length 360.0 m., width at entrance top 45.1 m., depth on entrance sill, HWOST 13.7 m.
Airport: 20 km., connects with Johannesburg.
CAPE VERDE, REPUBLIC OF 18, 27
Cape Verde Is. 18, 27, 53, 68
Capes:
Cape Agulhas, South Africa: 34.50 S. 20.00 E. 29
Cape Amber, Madagascar: 11.57 S. 49.17 E. 30
Cape Andreas, Cyprus: 35.42 N. 34.37 E. 26
Cape Arkona, Germany: 54.41 N. 13.26 E. 10, 11
Cape Arnhem, Australia: 12.20 S. 136.55 E. 49
Cape Bafra, Turkey: 41.44 N. 35.58 E. 26
Cape Barbas, Morocco: 22.18 N. 16.42 W. 27
Cape Barren Is., Furneaux Group, Tas., Australia: 49
Cape Bastion, China: 18.10 N. 109.35 E. 38
Cape Blanc, Mauritania: 20.46 N. 17.03 W. 27
Cape Blanco, Oregon, U.S.A.: 42.50 N. 124.32 W. 57
Cape Bojador, Morocco: 26.15 N. 14.25 W. 27
Cape Bon, Tunisia: 37.04 N. 11.03 E. 24
Cape Bougaroni, Algeria: 37.05 N. 6.28 E. 22
Cape Brett, New Zealand: 35.10 N. 174.19 E. 52
Cape Brewster, Greenland, (Denmark): 70.10 N. 22.00 W. 17
Cape Campbell, New Zealand: 41.42 S. 174.17 E. 52
Cape Cantin, Morocco: 32.36 N. 9.20 W. 27
Cape Carbonara, (Sardinia), Italy: 39.06 N. 9.31 E. 24
Cape Carveiro, Portugal: 39.22 N. 9.24 W. 20
Cape Charles, Virginia, U.S.A.: 37.08 N. 75.58 W. 63, 65
Cape Chidley, Newfoundland, Canada: 60.25 N. 64.26 W. 59
Cape Chinmu, see Cape Bastion.
Cape Chukochi, U.S.S.R.: 70.10 N. 160.00 E. 54
Cape Cod, Massachusetts, U.S.A.: 42.04 N. 70.10 W. 60, 63
Cape Colonne, Italy: 39.02 N. 17.12 E. 24
Cape Comorin, India: 8.06 N. 77.33 E. 37
Cape Constantine, Alaska, U.S.A.: 58.27 N. 158.50 W. 54
Cape Corrientes, Mexico: 20.25 N. 105.42 W. 57
Cape Corrientes, Mozambique: 24.03 S. 35.31 E. 30

Cape Corse, (Corsica), France: 43.01 N. 9.24 E. 24
Cape Creus, Spain: 42.18 N. 3.19 E. 22
Cape Croker, Ontario, Canada: 44.57 N. 80.58 W. 60
Cape d' Antifer, France: 49.41 N. 0.10 E. 7
Cape De Fer, Algeria: 37.03 N. 7.10 E. 22
Cape De Gata, Spain: 36.42 N. 2.12 W. 22
Cape De La Hague, France: 49.43 N. 1.57 W. 7, 19
Cape de Nouvelle-France, Quebec, Canada: 62.23 N. 73.40 W. 59
Cape Delgado, Mozambique: 10.40 S 40.39 E. 30
Cape do Norte, Brazil: 1.42 N. 49.55 W. 72
Cape Dolphin, Falkland Is., (U.K.): 51.14 S. 58.57 W. 72
Cape Dominion, N.W.T., Canada: 66.11 N. 74.23 W. 59
Cape Dorchester, N.W.T., Canada: 65.25 N. 77.25 W. 59
Cape Dyer, N.W.T., Canada: 66.30 N. 61.31 W. 17, 59
Cape Egmont, New Zealand: 39.18 S. 173.45 E. 52
Cape Engano, Dominican Republic: 18.36 N. 68.20 W. 69
Cape Espartel, Morocco: 35.46 N. 5.54 W. 22
Cape Espenberg, Alaska, U.S.A.: 66.32 N. 163.44 W. 54
Cape Espichel, Portugal: 38.25 N. 9.14 W. 20
Cape Falcone, (Sardinia), Italy: 40.55 N. 8.12 E. 24
Cape Farewell, Greenland, (Denmark): 59.47 N. 43.54 W. . 1, 17
Cape Farewell, New Zealand: 40.30 S. 172.43 E. 52
Cape Fear, North Carolina, U.S.A.: 33.51 N. 77.58 W. . . . 63, 66
Cape Ferret, France: 44.39 N. 1.15 W. 19
Cape Finisterre, Spain: 42.53 N. 9.16 W. 20
Cape Flattery, Queensland, Australia: 14.57 S. 145.21 E. . . . 49
Cape Flattery, Washington, U.S.A.: 48.23 N. 124.43 W. 56
Cape Foulwind, New Zealand: 41.47 S. 171.29 E. 52
Cape Frehel, France: 48.41 N. 2.21 W. 19
Cape Frio, Namibia: 18.05 S. 12.00 W. 29
Cape Fullerton, N.W.T., Canada: 63.58 N. 88.46 W. 59
Cape Gata, Cyprus: 34.34 N. 33.03 E. 26
Cape Gracias a Dios, Nicaragua: 15.00 N. 83.10 W. 69
Cape Gris Nez, France: 50.52 N. 1.35 E. 7
Cape Guardafui, Somalia: 11.50 N. 51.18 E. 31
Cape Harrison, Newfoundland, Canada:
54.56 N. 57.55 W. 59
Cape Hatteras, North Carolina, U.S.A.: 35.15 N. 75.30 W. . . . 63
Cape Helles, Turkey: 48.03 N. 26.10 E. 25
Cape Henlopen, Delaware, U.S.A.: 38.47 N. 75.05 W. . . . 63, 65
Cape Henrietta Maria, Ontario, Canada: 55.07 N. 82.15 W. . . 59
Cape Henry, Virginia, U.S.A.: 36.56 N. 76.00 W. 63, 65
Cape Hopes Advance, Quebec, Canada: 61.04 N. 69.32 W. . . . 59
Cape Horn, Chile: 55.59 S. 67.16 W. 1, 51, 68, 72
Cape Huertas, Spain: 38.21 N. 0.24 W. 22
Cape Ince, Turkey: 42.07 N. 34.58 E. 26
Cape Jaffa, S.A., Australia: 36.58 S. 139.40 E. 49
Cape Juby, Morocco: 27.59 N. 12.56 W. 27
Cape Kaliakra, Bulgaria: 43.22 N. 28.30 E. 20
Cape Kanin, U.S.S.R.: 68.41 N. 43.18 E. 16
Cape Kendal, N.W.T., Canada: 63.36 N. 87.14 W. 59
Cape Kidnappers, New Zealand: 39.38 S. 177.05 E. 52
Cape Leeuwin, W.A., Australia: 34.22 S. 115.09 E. . . . 1, 36, 49
Cape Leveque, W.A., Australia: 16.20 S. 123.00 E. 49
Cape Lisburn, Alaska, U.S.A.: 68.53 N. 166.08 W. 54
Cape Londonderry, W.A., Australia: 13.45 S. 126.54 E. 49
Cape Lookout, North Carolina, U.S.A.: 34.37 N. 76.30 W. . . . 63
Cape Low, N.W.T., Canada: 63.05 N. 85.25 W. 59
Cape Malea, Greece: 36.27 N. 23.12 E. 25
Cape Matapan, Greece: 36.22 N. 22.29 E. 25
Cape May, New Jersey, U.S.A.: 38.56 N. 74.56 W. . . . 60, 63, 65
Cape Mendocino, California, U.S.A.: 40.26 N. 124.24 W. 57
Cape Mercy, N.W.T., Canada: 65.02 N. 63.32 W. 17, 59
Cape Monze, Pakistan: 24.53 N. 66.40 E. 37
Cape Nao, Spain: 38.44 N. 0.14 E. 22
Cape Nassau, U.S.S.R.: 76.19 N. 61.40 E. 16
Cape Naturaliste, W.A., Australia: 33.32 S. 115.00 E. 49
Cape Navarin, U.S.S.R.: 62.14 N. 179.08 E. 54
Cape Newenham, Alaska, U.S.A.: 58.40 N. 162.08 W. 54
Cape North, Nova Scotia, Canada: 47.02 N. 60.23 W. 60
Cape of Good Hope, South Africa: 34.22 S. 18.28 W. . . 1, 18, 29
Cape Otto Schmidta, U.S.S.R.: 68.56 N. 179.30 W. 54
Cape Otway, Victoria, Australia: 38.52 S. 143.31 E. 49, 50
Cape Palinuro, Italy: 40.01 N. 15.16 E. 24
Cape Palliser, New Zealand: 41.37 S. 175.17 E. 52
Cape Palmas, Liberia: 4.22 N. 7.45 W. 29
Cape Palos, Spain: 37.38 N. 0.40 W. 22
Cape Pasley, W.A., Australia: 33.53 S. 123.33 E. 49
Cape Passero, (Sicily), Italy: 36.40 N. 15.09 E. 24
Cape Peloro, (Sicily), Italy: 38.15 N. 15.40 E. 24
Cape Pilar, Chile: 52.43 S. 74.42 W. 72
Cape Providence, New Zealand: 46.00 S. 166.28 E. 52
Cape Race, Newfoundland, Canada: 46.39 N. 53.05 W. 60
Cape Ray, Newfoundland, Canada: 47.36 N. 59.17 W. 60
Cape Recife, South Africa: 34.02 S. 25.42 W. 30
Cape Rhir, Morocco: 30.38 N. 9.52 W. 27
Cape Rizzuto, Italy: 38.56 N. 17.06 E. 24
Cape Roca, Portugal: 38.47 N. 9.28 W. 20
Cape Romano, Florida, U.S.A.: 25.51 N. 81.41 W. 66, 69
Cape Romanzof, Alaska, U.S.A.: 61.47 N. 166.05 W. 54
Cape Rosa, Algeria: 36.57 N. 8.16 E. 22
Cape Sable, Nova Scotia, Canada: 43.23 N. 65.37 W. 60
Cape Sable, Florida, U.S.A.: 25.13 N. 81.10 W. 66, 69
Cape St. Andre, Madagascar: 16.10 S. 44.27 E. 30
Cape St. Francis, South Africa: 34.15 S. 24.49 E. 29
Cape St. Maria di Leuca, Italy: 39.48 N. 18.21 E. 24
Cape St. Mary, Nova Scotia, Canada: 44.05 N. 66.12 W. 60
Cape St. Mary, Madagascar: 25.38 S. 45.06 E. 30
Cape St. Vincent, Portugal: 37.00 N. 8.58 W. 20
Cape San Antonio, Spain: 38.47 N. 0.12 E. 22
Cape San Diego, Argentina: 54.40 S. 65.10 W. 72
Cape San Juan, Argentina: 54.43 S. 63.47 W. 72
Cape San Vito, (Sicily), Italy: 38.10 N. 12.45 E 24
Cape Sarych, U.S.S.R.: 44.25 N. 33.45 E. 26
Cape Serrat, Tunisia: 37.14 N. 9.14 E. 24
Cape Shelagski, U.S.S.R.: 70.08 N. 171.06 E. 54
Cape Smith, Smith Is., Quebec, Canada: 60.43 N. 78.40 W. . . 59
Cape Spartivento, Italy: 37.55 N. 16.04 E. 24
Cape Spartivento, (Sardinia), Italy: 38.52 N. 8.51 E. 24
Cape Spatha, Crete, Greece: 35.42 N. 23.43 E. 24, 25
Cape Spencer, Alaska, U.S.A.: 58.12 N. 136.40 W. 56
Cape Stilo, Italy: 38.28 N. 16.35 E. 24
Cape Surville, Solomon Is.: 10.50 S. 162.23 E. 48
Cape Tatnam, Manitoba, Canada: 57.20 N. 91.00 W. 59
Cape Testa, (Sardinia), Italy: 41.13 N. 9.09 W. 24
Cape Tobin, Greenland, (Denmark): 70.30 N. 21.50 W. 17
Cape Tormentine, New Brunswick, Canada: 46.08 N. 63.48 W. 60
Cape Tortosa, Spain: 40.42 N. 0.52 E. 22
Cape Trafalgar, Spain: 36.10 N. 6.01 W. 20
Cape Tres Forcas, Morocco: 35.27 N. 2.59 W. 22
Cape Turnagain, New Zealand: 40.28 S. 176.38 E. 52
Cape Vaticano, Italy: 38.38 N. 15.48 E. 24
Cape Vert, Senegal: 14.43 N. 17.32 W. 27
Cape Vincent, New York, U.S.A.: 44.08 N. 76.20 W. 60
Cape Virgenes, Argentina: 52.20 S. 68.21 W. 72
Cape Wessel, N.T., Australia: 10.58 S. 136.47 E. 49
Cape Whittle, Quebec, Canada: 50.12 N. 60.07 W. 60
Cape Wolstenholme, Quebec, Canada: 62.34 N. 77.30 W. . . . 59
Cape Wrangell, Attu Is., Alaska, U.S.A.: 53.02 N. 172.25 E. . . 54
Cape Wrath, U.K.: 58.36 N. 5.01 W. 5
Cape York, Queensland, Australia: 10.41 S. 142.31 E. 49
Cape Zhelaniya, U.S.S.R.: 76.55 N. 68.40 E. 16
Capelas, San Miguel I., Azores, (Portugal): 37.50 N. 25.45 W. . 20
Capiz, see Roxas.
Capraia, Italy: 43.00 N. 10.00 E. 24
Capri, Italy 24
Car Nicobar, (Nicobar Is.), India: 9.14 N. 92.45 E. 38
Carabane, Senegal: 12.33 N. 16.42 W. 27
Caracas Bay, (Curacao), Netherlands Antilles:
12.04 N. 68.52 W. 69, 73
Max. Size: LOA 1,050 ft., draft 45 ft.
Fuel: All types available.
Caraga, Mindanao, Philippines: 7.20 N. 126.34 E. 46
Caraminal, Spain: 42.36 N. 8.56 W. 20
Caranero, Venezuela: 10.32 N. 66.00 W. 69, 74
Caraquet, New Brunswick, Canada: 47.48 N. 64.56 W. 60
Max. Size: Depth 28 ft. See also Shippegan.
Caratasco, Honduras: 15.22 N. 83.45 W. 69
Caravelas, Brazil: 17.43 S. 39.15 W. 72
Carbonear, Newfoundland, Canada: 47.43 N. 53.12 W. 60
Carboneras, Spain: 36.58 N. 1.54 W. 22
Max. Size: Draft 40 ft., LOA 210 m., beam 32 m., airdraft 13 m. *Fuel:* By lorry only. *Airport:* Almeria.
Cardenas, Cuba: 23.03 N. 81.12 W. 69
Max. Size: Draft 22 ft. (HW), LOA 560 ft.
Fuel: Not available.
Cardiff, U.K.: 51.29 N. 3.10 W. 5, 6, 7
Max. Size: LOA 650 ft., beam 88 ft. 3 in., draft 34 ft.
Fuel: Available. *Dry Docks:* Largest 182 m. × 21.7 m.
Airport: 11 miles.
Cardigan, U.K.: 52.05 N. 4.40 W. 5
Cardigan Bay, U.K. 5
Cardinal, Ontario, Canada: 44.47 N. 75.23 W. 61
Cardon, see Punta Cardon.
Carentan, France: 49.19 N. 1.15 W. 7
Cargese, (Corsica), France: 42.05 N. 8.35 E. 24
Cargados Carajos Shoals: 16.35 S. 59.40 E. 30
Caribou Is., Ontario, Canada: 47.22 N. 85.48 W. 62
Carillon, Quebec, Canada: 45.34 N. 74.22 W. 61
Carino, Spain: 43.44 N. 7.51 W. 20

Caripito, Venezuela: 10.09. N. 63.02 W. 69, 74
Max. Size: LOA 775 ft., 61,000 d.w.t. and draft 33 ft. (FW).
Fuel: Bunker "C" fuel oil, marine diesel and intermediate.

Carleton, Quebec, Canada: 48.06 N. 66.08 W. 60
Max. Size: LOA 140 m., draft 7.2 m. *Fuel:* Diesel available.
Dry Docks: Les Mechins, 245 miles. *Airport:* Local airport.

Carlingford, Eire: 54.03 N. 6.11 W. 5

Carloforte, (San Pierto Is.), Italy: 39.08 N. 8.19 E. 24

Carlos, Negros, Philippines: 10.29 N. 123.25 E. 45, 46

Carmanville, Newfoundland, Canada: 49.24 N. 54.17 W. 60

Carmelo, Uruguay: 34.02 S. 58.10 W. 75

Carmen de Patagone, Argentina: 40.49 S. 62.59 W. 72

Carmopolis, Brazil: 11.03 S. 37.01 W. 72
Max. Size: Sea Berth: 115,000 d.w.t., safe draft 15 m.
LOA 300 m. *Fuel:* Not available. *Airport:* Aracaju.

Carnarvon, W.A., Australia: 24.53 S. 113.40 E. 49
Max. Size: 75,000 d.w.t., depth 15.85 m. *Fuel:* Not available.
Airport: (Private) 25 km. from Cape Cuvier.

Carnlough, U.K.: 54.59 N. 5.59 W. 5

Caroline Is., Kiribati: 10.00 S. 151.00 W. 48

Caroline Islands, Micronesia 45, 48

Caronte, see Port de Bouc.

Carrabelle, Florida, U.S.A.: 29.51 N. 84.40 W. 66

Carreno, see Puerto Carreno.

Carrera, see Marina de Carrera.

Carrickfergus, U.K.: 54.43 N. 5.48 W. 5, 6
Max. Size: Depth 4.88 m. (Springs). *Fuel:* All grades by
road tankers. *Dry Docks:* At Belfast.
Airport: Belfast International, 22 miles.

Carrizal, Chile: 28.04 S. 71.10 W. 72

Cartagena, Colombia: 10.26 N. 75.33 W. 69
Max. Size: LOA 600 ft., beam 79 ft., draft 30 ft. Tankers: See
Mamonal. *Fuel:* Fuel oil, bunker "C" and diesel oil available
by barge. *Dry Docks:* Synchrolift – 5,000 tons.
Airport: Connects with Miami and Maracaibo.

Cartagena, Spain: 37.35 N. 00.59 W. 21, 22
(including Escombreras: 37.34 N. 00.57 W.)
Max. Size: Cartagena: Draft 31 ft. 6 in. Escombreras
(Tankers): Draft 68 ft., 250,000 d.w.t. *Fuel:* At Cartagena,
only gas oil from tank trucks. At Escombreras all grades
available. *Dry Docks:* 1 dry dock can accept vessels of
(35,000 d.w.t.) 566 ft. LOA and 73 ft. beam. 2 floating docks
for vessels up to 333 ft. LOA.
Airport: San Janvier, 27 miles, connects with Madrid, etc.

Cartaret, New York, U.S.A.: 40.35 N. 74.13 W. 63
(including: Linden: 40.32 N. 74.15 W., Port Socony and
Sewaren: 40.33 N. 74.15 W.)
Max. Size: Tankers: Depth 35 ft. Also see New York.

Carteret, France: 49.22 N. 1.48 W. 7, 19

Cartier, see Port Cartier.

Cartier Is., Australia: 12.31 S. 123.31 E. 49

Cartwright, Newfoundland, Canada: 53.42 N. 57.02 W. 59

Cartwright, Ontario, Canada, see Mooretown

Carupano, Venezuela: 10.40 N. 63.15 W. 69, 74

Casablanca, Morocco: 33.36 N. 7.37 W. 21, 27
Max. Size: LOA 884 ft., beam 105 ft., draft 32 ft. (all approx.)
Tankers: Up to 34 ft. draft. *Fuel:* All grades.
Dry Docks: 152 m. long and 22 m. wide (lifting 10,000 tons).
Airport: International, 25 miles.

Casado, Paraguay: 22.16 S. 57.55 W. 72

Cascais, Portugal: 38.41 N. 9.25 W. 20

Casiguaran, Luzon, Philippines: 16.17 N. 122.07 E. 45, 46

Casilda, Cuba: 21.45 N. 79.59 W. 69
Max. Size: LOA 565 ft., draft 25 ft. *Fuel:* Not available.

Casquets Lt., Channel Islands, U.K.: 49.43 N. 2.25 W. 7, 19

Cassis, France: 43.13 N. 5.32 E. 22

Castellamare de Stabia, Italy: 40.42 N. 14.29 E. 24

Castellammare, (Sicily), Italy: 38.02 N. 12.53 E. 24

Castellon De La Plana, Spain: 39.58 N. 00.01 W. 22
Max. Size: LOA 110 m. – 120 m., draft 22 ft. or LOA 120 m. –
140 m., draft 20 ft. – 21 ft. Tankers (Breasting Island): 37,000
d.w.t., 37 ft. (Sea Berth): 165,000 d.w.t., depth 82 ft. (25 m.)
Fuel: Available. *Airport:* Valencia, 70 km.

Castilla, see Puerto Castilla.

Castle Bay, U.K.: 56.57 N. 7.28 W. 5

Castle Island, Alaska, U.S.A., 56.39 N. 133.11 W. 56
Max. Size: Harbour depth 45 ft. *Fuel:* Not available.
Airport: Charter only.

Castlemaine Harbour, Eire: 52.09 N. 9.48 W. 5

Castletown, Isle of Man, U.K.: 54.04 N. 4.40 W. 5
Max. Size: 170 ft. LOA, draft 11 ft. 6 in. (Spring tides).
Fuel: Diesel. *Dry Docks:* None.
Airport: 2 miles, Domestic flights.

Castletownbere, Eire: 51.41 N. 9.54 W. 5
Max. Size: Dinish Island Wharf: Depth 17 ft. (MLWS).
Main Wharf: Depth 12 ft. *Fuel:* Diesel.
Airport: 80 miles, Cork.

Castries, St. Lucia: 14.01 N. 61.00 W. 69, 71
Max. Size: LOA 213 m. (cargo and passenger), draft 9.1 m.
Tankers: See "Cul de Sac Bay".
Fuel: Very limited. *Airport:* 2 miles.

Castro, Chile: 42.30 S. 73.45 W. 72

Castro-Urdiales, Spain: 43.24 N. 3.14 W. 19
(including Dicido: 43.22 N. 3.12 W., Sattacabello: 43.22 N.
3.11 W., Onton: 43.22 N. 3.11 W.)
Max. Size: LOA 105 m., draft 5 m. *Fuel:* Not available.
Airport: Bilbao, 40 km.

Cat Is., Bahamas 69

Cat Island, Louisiana, U.S.A.: 30.15 N. 89.07 W. 67

Catalina, Newfoundland, Canada: 48.30 N. 53.04 W. 60

Catania, (Sicily), Italy: 37.29 N. 15.06 E. 24
Max. Size: Max. depth alongside 30 ft. 6 in.
Fuel: Available. *Airport:* International.

Catanuan, Luzon, Philippines: 13.35 N. 122.19 E. 46

Catanzaro, Italy: 38.50 N. 16.37 E. 24

Cataumet, Massachusetts, U.S.A.: 41.40 N. 70.37 W. 64

Catbalogan, Samar, Philippines: 11.46 N. 124.53 E. 45, 46

Catia La Mar, Venezuela: 10.36 N. 67.02 W. 74

Cato Is., Australia: 23.15 S. 155.32 E. 49

Catskill, New York, U.S.A.: 42.13 N. 73.52 W. 63

Cattolica, Italy: 43.58 N. 12.45 E. 24

Caudebec, France: 49.32 N. 0.44 E. 7

Caughnawaga, Quebec, Canada: 45.21 N. 73.41 W. 61

Cavalla, see Kavalla.

Cavite, Luzon, Philippines: 14.29 N. 120.55 E. 32

Cay Frances, see Caibarien.

Cayenne, Guyane: 4.56 N. 52.20 W. 72

Cayeux, France: 50.08 N. 1.30 E. 7

Cayman Brac, Cayman Islands, (U.K.): 19.42 N. 79.50 W. 69
Max. Size: Anchorage off Western end – 66 ft. draft.
Fuel: Available. *Airport:* Flights to Grand Cayman.

CAYMAN ISLANDS, THE, (U.K.) 69

Cayo Arcas, Mexico: 20.11 N. 92.00 W. 69
Max. Size: 350,000 d.w.t. *Fuel:* Not available.

Cayo Diana, see Cardenas.

Cayo Juan Claro, see Puerto Padre.

Cayos Miskitos, Nicaragua: 14.23 N. 82.48 W. 69

Ceara, see Fortaleza.

Cebu, Cebu Is., Philippines: 10.18 N. 123.53 E. 45, 46
Max. Size: Draft 30 ft. *Fuel:* Fuel oil.
Dry Dock: Max. 6,000 d.w.t *Airport:* 7 miles.

Cedar River, Michigan, U.S.A.: 45.24 N. 87.21 W. 62

Cedeira, Spain: 43.40 N. 8.02 W. 20

Cedros Island, Mexico 57

Ceduna, see Thevenard.

Cee, Spain: 42.57 N. 9.11 W. 20

Cefalu, (Sicily), Italy: 38.05 N. 14.00 E. 24

Ceiba Hueca, Cuba: 20.13 N. 77.19 W. 69
Max. Size: Draft 33 ft. (anchorage), 19 ft. (pier).
Fuel: Not available.

Celebes, Indonesia 45

Celebes Sea 45, 46

Cephalonia Is., Greece: 38.15 N. 20.15 E. 24, 25

Ceram Sea, Indonesia 45

Cerigo, Greece, see Kithira.

Cernavoda, Romania: 44.20 N. 28.03 E. 26

Cervo, see San Ciprian, Spain.

Cesme, Turkey: 38.20 N. 26.19 E. 25, 26

Cess River, Liberia: 5.32 N. 9.32 W. 27

Ceuta, Spain: 35.53 N. 5.17 W. 21, 22, 27
Max. Size: LOA 220 m., draft 33 ft. 6 in.
Fuel: All grades. *Airport:* Tangier International, 100 km.

Ceyhan Terminal, Turkey: 36.53 N. 35.56 E. 26

Chacabuco, Chile: 45.28 S. 72.50 W. 72
Max. Size: LOA 165 m., draft 32 ft. *Fuel:* Available.
Dry Docks: None. *Airport:* Balmaceda, 120 km.

Chagos Archipelago, (U.K.) 30, 37

Chaguaramas, Trinidad: 10.40 N. 61.39 W. 71, 74
Max. Size: Draft 33 ft. *Fuel:* Available by barge.
Dry Dock: LOA 560 ft., 11,380 tons.
Airport: See Port of Spain.

Chah Bahar, Iran: 25.17 N. 60.37 E. 31

Chake Chake, Tanzania: 5.14 S. 39.46 E. 30
Max. Size: LOA 170 ft., draft 15 ft. *Fuel:* Not available.

Chalivourgiki, see Eleusis.

Chalkis, Greece: 38.27 N. 23.36 E. 24, 25, 26
Max. Size: Max. draft 21 ft. in daytime, 19 ft. at night. Also
see Evripos Strait. *Fuel:* Small quantities by tanker lorry.
Dry Docks: 2 floating docks, max. 48,000 d.w.t.
Airport: Athens, 90 km.

Challis, "Challis Venture", Australia: 12.07 S. 125.00 E. 49
Max. Size: 150,000 d.w.t. *Fuel:* Not available.

Chalmers, see Port Chalmers.

Chalmette, Louisiana, U.S.A.: 29.56 N. 90.00 W. 67
Max. Size: Depth 30 ft. – 35 ft. See also New Orleans.

Chalna, see Mongla.

Chamela, Mexico: 19.32 N. 105.05 W. 57

Champerico, Guatemala: 14.17 N. 91.55 W. 69
Max. Size: Varies according to anchorage.
Fuel: Not available. *Airport:* 3 hours drive.

Chan Chiang, see Zhanjiang.
Chanaral, Chile: 26.21 S. 70.38 W. 72
Max. Size: Draft 40 ft., LOA 250 m. Tankers: Draft 50 ft. LOA 250 m. *Fuel:* Small quantities of diesel oil available. *Airport:* 150 km.
Chancay, Peru: 11.35 S. 77.16 W. 72
Max. Size: Anchorage depth 30 ft. – 48 ft. *Fuel:* Not available.
Chandeleur Island, U.S.A.: 29.48 N. 88.51 W. 67
Chandeleur Sound, Mississippi Delta, U.S.A. 67
Chandler, Quebec, Canada: 48.22 N. 64.40 W. 60
Max. Size: Depth 32 ft. (LW). *Fuel:* Available. *Dry Docks:* Les Mechins, 185 miles.
Chang Chen: see Paso.
Chang Chow, see Zhangzhou.
Chang Sha, China: 28.12 N. 112.59 E. 41
Changhang, South Korea: 36.01 N. 126.45 W. 41
Max. Size: See Kunsan.
Channel Islands, (U.K.) 7, 19
Channel Is., California, U.S.A. 57
Chantenay, France: 47.12 N. 1.36 W. 19
Chanthaburi, Thailand: 12.36 N. 102.11 E. 38
Chaparra, see Puerto Padre.
Char-Bahar, Iran: 25.17 N. 60.37 E. 31
Max. Size: 28,000 d.w.t., depth 9.0 m. *Fuel:* By truck. *Airport:* 70 km.
Charleroi, Belgium: 50.25 N. 4.30 E. 7
Charles Is., N.W. Territories, Canada: 62.41 N. 74.13 W. 59
Charleston, South Carolina, U.S.A.: 32.47 N. 79.56 W. . . . 55, 63
Max. Size: LOA 930 ft., depth 35 ft. (LW). Coal: Draft 38 ft. Tankers: Draft 30 ft. – 35 ft. *Fuel:* Bunker "C" and blended intermediate grades. *Dry Dock:* 1×10,000 ton floating dock. *Airport:* 10 miles.
Charlestown, Nevis Is., (U.K.): 17.08 N. 62.37 W. 69
Charlestown, U.K., see Par.
Charlestown, Massachusetts, U.S.A., see Boston.
Charlevoix, Michigan, U.S.A.: 45.20 N. 85.15 W. 62
Charlotte-Amalie, see St. Thomas.
Charlotte Harbour, Florida, U.S.A. 66, 69
Charlottetown, Prince Edward Is., Canada: 46.14 N. 63.07 W. . 60
Max. Size: Draft 30 ft. Tankers: Depth 28 ft. – 30 ft. *Fuel:* Delivered by tank truck. *Dry Docks:* None. *Airport:* 4 miles.
Charlton Is., Hudson Bay, Canada 59
Charny, Quebec, Canada: 46.45 N. 71.15 W. 60
Chatham, New Brunswick, Canada: 47.02 N. 65.28 W. 60
Max. Size: Draft 7.62 m. *Fuel:* All types by tanker truck. *Airport:* Connects with Montreal.
Chatham, U.K.: 51.24 N. 00.33 E. 6, 7
Max. Size: Draft 8.0 m., LOA 143 m., beam 25 m. *Fuel:* See Rochester. *Airports:* London (Heathrow) and London (Gatwick).
Chatham, Alaska, U.S.A., see Todd.
Chatham, Massachusetts, U.S.A.: 41.41 N. 69.58 W. 63
Chatham Is., (New Zealand) 52
Chaumont, New York, U.S.A.: 44.04 N. 76.08 W. 62
Cheboygan, Michigan, U.S.A.: 45.39 N. 84.29 W. 62
Cheduba Is., Myanmar 38
Chefoo, see Yantai.
Cheju, South Korea: 33.30 N. 126.31 E. 41
Chekaa, Lebanon: 34.20 N. 35.43 E. 26
Max. Size: Draft 27 ft., 35,600 d.w.t.
Chekin Fjord, Novaya Zemlya, U.S.S.R. 16
Chelsea, Massachusetts, see Boston.
Chelsea, New York, see New York.
Chemainus, British Columbia, Canada: 48.55 N. 123.42 W. . . 56
Max. Size: Depth 19 ft. – 53 ft. (LW). *Fuel:* Diesel only.
Chen Hai, China: 29.57 N. 121.42 E. 41
Chenchiang, see Zhenjiang.
Cheng Ling Chi, China: 29.24 N. 113.06 E. 41
Chepstow, U.K.: 51.40 N. 2.40 W. 7
Cherbourg, France: 49.38 N. 1.38 W. 7, 19
Max. Size: Depths 7 m. – 14 m. No limit on length or beam. Tankers: Max. Draft. 9 m. *Fuel:* Available. *Dry Dock:* Max. Vessel Size: LOA 248 m., beam 35 m. *Airport:* Moupertuis, 12 km.
Cherchel, Algeria: 36.35 N. 2.11 E. 22
Max. Size: Draft 12 ft.
Cheribon, see Cirebon.
Cherry Point, Washington, U.S.A.: 48.52 N. 122.30 W. 56
Max. Size: Depth 37.5 ft. – 70 ft. (Tankers). Limit in Puget Sound 125,000 d.w.t. See also Bellingham.
Cherskiy, U.S.S.R.: 68.45 N. 161.20 E. 54
Chesapeake & Delaware Ship Canal 60, 63
Max. Size: Draft 35 ft. (FW), LOA 760 ft., beam 170 ft., height of mast 133 ft.
Chesapeake Bay, U.S.A. 60, 63, 65
Chesapeake City, Maryland, U.S.A.: 39.32 N. 75.48 W. . 60, 63, 65
Max. Size: Draft 32 ft.
Chester, Nova Scotia, Canada: 44.32 N. 64.15 W. 60
Chester, U.K.: 53.12 N. 2.55 W. 5
Chester, Pennsylvania, U.S.A. 39.51 N. 75.22 W. 63
Max. Size: See Marcus Hook, Pennsylvania.
Chester, see Port Chester.
Chesterfield Is., Australia: 19.52 S. 158.15 E. 49
Chesterfield Inlet, N.W.T., Canada: 63.19 N. 90.45 W. 59
Chetaibi, Algeria: 37.04 N. 7.23 E. 22
Max. Size: Draft 6 m.
Cheticamp, Nova Scotia, Canada: 46.38 N. 61.00 W. 60
Chetlat Is. (Laccadives), India: 11.42 N. 72.40 E. 32, 37
Chetumal, Mexico: 18.30 N. 88.17 W. 69
Chi Lung, see Keelung.
Chi Wan, China: 22.28 N. 113.53 E. 38
Max. Size: LOA 170 m., draft 16.5 m., subject to tide.
Chiang Yin, see Jiangyin.
Chiba, Japan: 35.36 N. 140.07 E. 42, 43
Max. Size: Channel depths 10.5 m. – 18 m. Depth alongside 7.5 m. – 18 m. Tankers: Depth 20.5 m. (Keiyo Sea Berth). *Fuel:* Most grades available. *Dry Docks:* Largest 500,000 d.w.t. *Airport:* 40 km., New Tokyo Airport (Narita).
Chicago, Illinois, U.S.A.: 41.50 N. 87.45 W. 55, 62
Max. Size: Limited at Seaway Locks: Length 730 ft., draft 26 ft. Depth alongside terminals 27 ft. *Fuel:* All grades available, ex-wharf or by barge. *Airport:* O'Hare.
Chicagof Is., Alaska, U.S.A.: 57.45 N. 136.10 W. 56
Chicama, see Puerto Chicama.
Chichester Harbour, see Bosham.
Chichi Is., (Japan): 27.05 N. 142.14 E. 45
Chichiriviche, Venezuela: 10.55 N. 68.16 W. 73
Chicoutimi, Quebec, Canada: 48.25 N. 71.02 W. 60
Max. Size: Depth 13.8 m., 100,000 d.w.t. Tankers: LOA 137 m., draft 7.8 m. *Fuel:* Available at oil berth.
Chignik, Alaska, U.S.A.: 56.20 N. 158.25 W. 54
CHILE 72
Chilka Lake, India 37
Chiloe Is., Chile 72
Chim Wan, see Kin Wan.
Chimbote, Peru: 9.05 S. 78.37 W. 72
Max. Size: Depth: 28 ft. – 31 ft. *Fuel:* Available by tanker lorries. *Dry Docks:* 15,000 ton floating dock. *Airport:* Domestic.
Chin Men, Quemoy, Taiwan: 24.30 N. 118.10 E. 41
CHINA, PEOPLE'S REPUBLIC OF 38, 41, 42
Chinde, Mozambique: 18.38 S. 36.28 E. 30
Chinhai, South Korea: 35.07 N. 128.42 E. 41, 42
Max. Size: Harbour draft 17 ft. Chemical Co. Berth: Draft 34 ft. *Fuel:* Available ex-barge from Masan.
Chinkiang, see Zhenjiang.
Chinnampo, see Nampo.
Chinwangtao, see Qinhuangdao.
Chioggia, Italy: 45.14 N. 12.19 E. 24
Max. Size: Draft 28 ft. Ro/Ro: Draft 15 ft. *Fuel:* Available.
Chios, see Khios.
Chiriqui Grande, Panama: 8.57 N. 82.07 E. 69
Choiseul Bay, Choiseul Is., Solomon Is.: 6.41 S. 156.26 E. . . . 48
Choiseul Is., Solomon Is. 48
Chipiona, Spain: 36.45 N. 6.25 W. 22
Chirikof Is., Alaska, U.S.A.: 55.55 N. 155.36 W. 54
Chiriqui, see Puerto Armuelles.
Chiriqui Grande, Panama: 8.56 N. 82.07 W. 69
Max. Size: 150,000 d.w.t., depth at SBM 72 ft. *Fuel:* Not available.
Chisimaio, Somalia: 00.22 S. 42.34 E. 30, 31
Max. Size: Draft 28 ft. (LT). *Fuel:* Not available. *Airport:* 6 km.
Chittagong, Bangladesh: 22.19 N. 91.48 E. 38
Max. Size: LOA 186 m., depth 7 m. – 10 m. Anticipated safe drafts are predicted three months in advance. The depth of water over the Outer, Inner and Gupta Bars is maintained at 4.42 m. at low water throughout the year. Tankers: Crude Oil Tankers (Outer Anchorage) 34 ft. (10.36 m.). Clean tankers – LOA 560 ft. (170.73 m.). *Fuel:* All grades available. *Dry Dock:* Under construction. *Airport:* Patenga, 5 miles.
Chiu Chiang, see Jiujiang.
Chiungchow Straits, China 38
Chiwan, China: 22.28 N. 113.53 E. 38, 47
Max. Size: Chiwan: Depth 10 m. Shekou: Depth 6 m.
Chizha, U.S.S.R.: 67.08 N. 44.28 E. 16
Chongiu, North Korea: 39.30 N. 125.10 E. 41
Chonos Archipelago, Chile 72
Choshi, Japan: 35.43 N. 140.51 E. 42
Christchurch, New Zealand, see Lyttelton.
Christchurch, U.K.: 50.44 N. 1.46 W. 5
Christian Is., Ontario, Canada: 44.50 N. 80.14 W. 62
Christianshab, Greenland, (Denmark): 68.49 N. 51.11 E. 17
Christianso, Denmark: 55.19 N. 15.11 E. 10
Christiansted, St. Croix, Virgin Is., (U.S.A.): 17.45 N. 64.42 W. 69

Christmas Island, Indian Ocean, (Australia): 10.25 S. 105.43 E. 38
Max. Size: LOA 192 m., beam 28 m., 35,000 d.w.t.
Fuel: Very limited, only in extreme emergency.
Airport: Weekly flights to Singapore and Perth.
Christmas Island, Pacific Ocean, Kiribati: 1.58 N. 157.27 W. . . 48
Chrome, New Jersey, U.S.A.: 40.34 N. 74.13 W. 63
Chuan Chow, see Quanzhou.
Chuginadek Is., see Islands of the Four Mountains.
Chuk Samet Port, see Sattahip.
Chumikan, U.S.S.R.: 54.43 N. 135.15 E. 42
Chungjin, North Korea: 41.43 N. 129.42 E. 42
Max. Size: Draft 28 ft. *Fuel:* Available.
Churchill, Manitoba, Canada: 58.47 N. 94.12 W. 59
Max. Size: LOA 600 ft., beam 100 ft. and depth alongside wharf at zero tide 20 ft. – 33 ft. *Fuel:* Bunker fuel requires 30 days notice. Arctic fuel available all times.
Dry Docks: None. *Airport:* 5 miles.
Cide, Turkey: 41.42 N. 32.50 E. 26
Cienfuegos, Cuba: 22.09 N. 80.27 W. 69
Max. Size: LOA 700 ft., draft 37 ft. Tankers: Depth 58 ft. at Pipe-line Mooring. *Fuel:* Fuel oil, diesel oil.
Ciervana, Spain: 43.22 N. 3.06 W. 19
Cigading, Indonesia: 6.00 S. 105.57 E. 38
Max. Size: Depth 11.0 m. – 14.5 m. *Fuel:* Not available.
Airport: Jakarta, 3 hours by road.
Cilacap, Indonesia: 7.41 S. 109.05 E. 38
Max. Size: (a) Cilacap Port: LOA 186 m., draft 9.5 m. (HW). Tankers: LOA 250 m., draft 12 m., 85,000 d.w.t. (b) Iron Sand Port: LOA 186 m., draft 10.4 m. *Fuel:* Available.
Airport: 15 km.
Cillero, see Vivero.
Cinta Terminal, Indonesia: 5.27 S. 106.15 E. 38
Max. Size: 175,000 d.w.t. (full cargo). Minimum 20,000 d.w.t.
Fuel: Not available.
Ciotat, see La Ciotat.
Cirebon, Indonesia: 6.41 S. 108.33 E. 38
Max. Size: 8 m. draft at roads, 5 m. draft at wharves. Tankers: Up to 300 d.w.t. *Dry Docks:* 600 d.w.t. graving dock.
Fuel: Not available. *Airport:* Kemajoran International 257 km. Domestic Airport, 40 km.
Ciro Marina, Italy: 39.24 N. 17.09 E. 24
Max. Size: Depth 14.5 m.
Ciudad Bolivar, Venezuela: 8.09 N. 63.33 W. 69, 74
Ciudad Del Carmen, Mexico: 18.39 N. 91.50 W. 69
Ciudad Guayana, Venezuela: 8.05 N. 62.40 W. 74
Ciudad Madero, Mexico: 22.20 N. 97.50 W. 69
Ciudad Trujillo, see Santo Domingo.
Ciudadela, (Minorca), Spain: 40.00 N. 3.50 E. 22
Civitavecchia, Italy: 42.05 N. 11.47 E. 21, 24
Max. Size: Draft 38 ft. Tankers: Draft 38 ft., LOA 220 m.
Fuel: Fuel oil and gas oil by barge or tanker lorries.
Airport: Leonardo da Vinci (Rome), 70 km.
Clacton, U.K.: 51.45 N. 1.10 E. 7
Clarecastle, Eire: 52.48 N. 8.56 W. 5
Clarence, see Middlesbrough.
Clarence Cove, see Port Percy.
Clarence River, N.S.W., Australia: 29.25 S. 153.22 E. 49
Clarence Town, Long Is., Bahamas: 23.07 N. 74.57 W. 69
Clarenville, Newfoundland, Canada: 48.08 N. 53.56 W. 60
Max. Size: Largest vessel: 644 ft. LOA, beam 84 ft., draft 26 ft. *Fuel:* Light fuels only (no bunkers).
Airport: Gander International, about 2 hours by road.
Clarion Is., (Revilla Gigedo Islands), Mexico: 18.18 N. 114.45 W. 57
Clarkson, Ontario, Canada: 43.30 N. 79.36 W. 62
Clarks Harbour, Nova Scotia, Canada: 43.25 N. 65.38 W. 60
Clarks Point, Alaska, U.S.A.: 58.51 N. 158.33 W. 54
Claveria, Luzon, Philippines: 18.37 N. 121.05 E. 46
Max. Size: Anchorage – depth 90 ft. See also Aparri.
Clayton, New York, U.S.A.: 44.14 N. 76.04 W. 60
Clearwater, Florida, U.S.A.: 27.58 N. 82.48 W. 66, 69
Cleveland, Ohio, U.S.A.: 41.31 N. 81.43 W. 55, 62, 63
Max. Size: Limited at Seaway Locks, 730 ft. LOA, 26 ft. draft. Tankers: Depth 23 ft. *Fuel:* Marine gas oil and diesel oil.
Cleveland Ledge Channel, Cape Cod Canal, U.S.A. 64
Clew Bay, Eire 5
Clifden, Eire: 53.30 N. 10.01 W. 5
Cliffe, see Coryton.
Clifton Point, New Providence, Bahamas: 25.00 N. 77.36 W. . . 69
Clinton, Conn., U.S.A.: 41.16 N. 72.31 W. 63
Clinton, see Port Clinton.
Clipperton Is., (France): 10.20 N., 109.18 W. 48
Clonakilty, Eire: 51.38 N. 8.52 W. 5
Clyde, N.W. Territories, Canada: 70.22 N. 67.49 W. 17
Clyde Port, see Glasgow, Greenock, Finnart, Hunterston, etc.
Clydebank, see Glasgow.
Co Doq Is., Panama: 7.30 N. 81.45 W. 69
Coari, Brazil: 4.08 S. 63.07 W. 72
Coats Is., N.W. Territories, Canada 59
Coatzacoalcos, Mexico: 18.08 N. 94.25 W. 69
(incl. Pajaritos 18.09 N. 94.25 W.)
Max. Size: Max. draft crossing the bar is 39 ft. Free Zone: Max. LOA during the day 200 m., draft 31 ft. Pajaritos: LOA 225 m., draft 39 m. *Fuel:* Bunker C and diesel oil.
Airport: At Minatitlan, 20 km.
Cobh, Eire: 51.51 N. 8.18 W. 5
Max. Size: Draft 6 m. Also see Cork.
Cobourg, Ontario, Canada: 43.57 N. 78.10 W. 62
Cochin, India: 9.58 N. 76.15 E. 37
Max. Size: LOA 700 ft. with draft 30 ft. salt water. Tankers: 115,000 d.w.t., draft 35 ft. *Fuel:* All grades of fuel oils available. *Dry Dock:* Max. LOA 217 ft.
Airport: Cochin Airport, 2 miles.
Cockatoo Island, see Sydney, Australia, or Yampi Sound.
Cockburn Harbour, see Grand Turk.
Cockburn Is., Ontario, Canada: 45.56 N. 83.20 W. 62
Cockenzie, U.K.: 55.58 N. 2.58 W. 5
Coco Channel, (Andaman Islands), India 38
Coco Solo, see Colon.
Cocobeach, Gabon: 0.59 N. 9.34 E. 28
Cocos Is., (Australia): 12.05 S. 96.53 E. 38
Cocos Is., Costa Rica: 5.30 N. 87.00 W. 69, 72
Codajas, Brazil: 3.45 S. 62.00 W. 72
Codroy, Newfoundland, Canada: 47.53 N. 59.23 W. 60
Coetivy Is., South Africa: 7.06 S. 56.16 E. 30
Coffs Harbour, N.S.W., Australia: 30.18 S. 153.09 E. 49
Max. Size: LOA 121 m., draft 6 m. (mean loaded).
Fuel: Available. *Airport:* Nearest at Newcastle.
Coiba Is., Panama: 7.30 N. 81.45 W. 69
Coishco, Peru: 9.01 S. 78.36 W. 72
Cojimies, Ecuador: 0.20 N. 80.01 W. 69
Colachel, see Kolachel.
Colborne, see Port Colborne.
Colchester, U.K.: 51.54 N. 00.55 E. 5, 7
Max. Size: LOA 280 ft., draft 12 ft. 6 in. Spring tides, 8 ft. 6 in. neap tides. *Fuel:* Fuel deliveries by road tanker.
Airport: London 70 miles, Stansted 30 miles.
Coleraine, U.K.: 55.10 N. 6.40 W. 5
Max. Size: Recommended LOA 80 m., beam 12.2 m., draft 4.3 m. *Fuel:* All grades 48 hours notice.
Dry Docks: None. *Airport:* Belfast, 40 miles.
Coll Is., UK. 5
Collingwood, Ontario, Canada: 44.29 N. 80.14 W. 60, 62
Collingwood, New Zealand: 40.41 S. 172.40 E. 52
Collo, Algeria: 37.00 N. 6.35 E. 22
COLOMBIA 69, 72, 73
Colombia, see Puerto Colombia.
Colombo, Sri Lanka: 6.56 N. 79.50 E. 37
Max. Size: Draft 38 ft., LOA 800 ft. Tankers: LOA 750 ft., draft 34 ft. *Fuel:* Furnace diesel and gas oil.
Dry Docks: No. 1: 700 ft. × 85 ft. × 32 ft. over blocks. Max. size LOA 675 ft., breadth 80 ft., deepest draft 29 ft.
Airport: International 18 miles.
Colon, Argentina: 32.13 S. 58.07 W. 75
Colon, Panama: 9.21 N. 79.55 W. 69, 70
Max. Size: LOA 100 m., draft 20 ft. (6.1 m.). *Fuel:* Available.
Colonia, Yap Is., Micronesia: 9.31 N. 138.08 E. 45
Colonia, Uruguay: 34.28 S. 57.51 W. 72, 75
Max. Size: Depth 8 ft. – 10 ft. *Fuel:* By road tanker.
Airport: 7 km.
Colonsay Is., U.K. 5
Colorado Is., Panama: 9.09 N. 79.51 W. 70
Columbia, North Carolina, U.S.A.: 35.55 N. 76.15 W. 63
Columbia St. Marine Terminal, see New York.
Columbus, Georgia, U.S.A.: 32.29 N. 84.58 W. 63
Come By Chance, Newfoundland, Canada: 47.48 N. 54.01 W. . 60
Max. Size: 325,000 d.w.t., depth 110 ft. *Fuel:* Bunkers available. *Airport:* St. John's 152 km. and Gander 206 km.
Comodoro Rivadavia, Argentina: 45.51 S. 67.27 W. 72
(incl. Caleta Olivares 45.46 S. 67.22 W.)
Max. Size: Dry cargo: LOA 150 m., draft 15 ft. SBM: Caleta Cordova – 100,000 d.w.t., depth 95 ft. *Fuel:* Fuel oil and diesel. *Airport:* 11 km. from port.
COMOROS, THE 30
Comox, British Columbia, Canada: 49.40 N. 124.55 W. 56
Con Son Is., Vietnam: 8.40 N. 106.36 E. 38
Conakry, Guinea: 9.31 N. 13.43 W. 27, 29
Max. Size: LOA 655 ft., draft 32 ft. Bulk: LOA 655 ft., draft 33 ft. Tankers: LOA 655 ft., draft 32 ft. – 33 ft.
Fuel: Not available. *Airport:* International, 15 km.
Concarneau, France: 47.52 N. 3.55 W. 19
Max. Size: Tankers: By day, 91 m. LOA. Other Vessels: By day 101 m. LOA. *Fuel:* Available. *Dry Docks:* Synchrolift capacity 2,000 tons; LOA 95 m., keel length 76 m., beam 14 m., draft 5.50 m. *Airport:* At Quimper – Pluguffan, 30 km.
Concepcion, Equatorial Guinea: 3.22 N. 8.48 E. 28
Concepcion, Paraguay: 23.22 S. 57.26 W. 72
Concepcion Bay, see Talcahuano.

Concepcion Del Uruguay, Argentina: 32.29 S. 58.12 W. 75
Max. Size: Permitted draft in Uruguay River is 19 ft. Fresh water, subject to local conditions. *Fuel:* Available. *Dry Dock:* Length 70 m. *Airport:* Gualeguaychu 10 km. – connects with Buenos Aires.
Conchan, Peru: 12.10 S. 77.00 W. 72
Max. Size: Tanker buoy berth: Depth 60 ft. See also Callao.
Conche, Newfoundland, Canada: 50.53 N. 55.54 W. 60
Coney Is., New York, U.S.A. 63
CONGO 29
Conneaut, Ohio, U.S.A.: 41.58 N. 80.33 W. 62
Connecticut, U.S.A. 60, 62, 63
Constable Hook, see New York.
Constantine Harbour, Amchitka Is., (Aleutian Is.), Alaska, U.S.A.: 51.24 N. 179.17 E. 54
Constantza, Romania: 44.09 N. 28.39 E. 21, 26
Max. Size: Depth 44 ft. Tankers 80,000 d.w.t., depth 14 m. *Fuel:* Gas oil, fuel oil or blends. *Dry Dock:* Largest has 150,000 d.w.t. capacity. *Airport:* 25 km.
Constitucion, Chile: 35.19 S. 72.29 W. 72
Contrecoeur, Quebec, Canada: 45.53 N. 73.12 W. 60, 61
Max. Size: LOA 850 ft., beam 105 ft., depth alongside 35 ft. *Fuel:* Available.
Convent, Louisiana, U.S.A.: 30.01 N. 90.50 W. 67
Conway, U.K.: 53.18 N. 3.50 W. 5
Coode Island, see Melbourne.
Cook Inlet, Alaska, U.S.A. 54
COOK ISLANDS, (NEW ZEALAND) 48
Cook Strait, New Zealand 52
Cooktown, Queensland, Australia: 15.20 S. 145.15 E. . . . 45, 49
Coolangatta, see Tweed Heads.
Coolkeeragh, see Londonderry.
Coondapur, India: 13.37 N. 74.40 E. 37
Max. Size: Anchorage: Depth 9 fathoms. *Airport:* Bajpe, 73 miles South.
Coos Bay, Oregon, U.S.A.: 43.22 N. 124.13 W. 55, 56, 57
Max. Size: LOA 725 ft., beam 110 ft., depth alongside 35 ft. (MLW). Tankers: Depth 30 ft. *Fuel:* Bunker and diesel fuel. *Dry Dock:* Largest handles vessels not exceeding 220 ft. *Airport:* 5 miles.
Copenhagen, Denmark: 55.42 N. 12.37 E. 9, 10, 11
Max. Size: Limited by draft only. Depths in the port, 10 m.; in the Oil Harbour, 10.5 m.; at the Oil Pier, 12.0 m. *Fuel:* All grades available. *Airport:* 6 miles.
Copper Harbour, Michigan, U.S.A.: 47.28 N. 87.52 W. 62
Coquimbo, Chile: 29.57 S. 71.21 W. 72
Max. Size: Draft 29 ft. 06 in. *Fuel:* Diesel oil only. *Airport:* 20 km.
Coquitlam, see Port Coquitlam.
Coral Harbour, N.W. Territories, Canada: 64.07 N. 83.10 W. . . 59
Coral Sea 45, 48, 49
Corcubion, Spain: 42.58 N. 9.11 E. 20
Cordemais, France: 47.16 N. 1.53 W. 19
Cordova, Alaska, U.S.A.: 60.33 N. 145.46 W. 54
Max. Size: Draft 25 ft. *Fuel:* Fuel oil. *Airport:* 13 miles.
Corea, Maine, U.S.A.: 44.24 N. 67.58 W. 60
Corfu, Greece: 39.37 N. 19.56 E. 24, 25
Max. Size: Draft 7.0 m. *Fuel:* Diesel oil by road tanker. *Airport:* La Florida, 20 km.
Coria del Rio, Spain: 37.17 N. 6.03 W 22
Corinth, Greece: 37.57 N. 22.56 E. 24
Fuel: Not available. See also Corinth Canal, Isthmia.
Corinth Canal, Greece 24, 25
Max. Size: Beam 60 ft., draft 6.2 m. – 7.2 m. (depending on beam).
Corinto, Nicaragua: 12.30 N. 87.11 W. 69
Max. Size: LOA 650 ft., 80 ft. beam. Draft controlled by depth of water in approach channel and state of swell. Typically 13.5 m. Depth alongside 11.2 m. – 13 m. Tankers: Depth 12.2 m. *Fuel:* In emergencies small quantities only. *Airport:* At Managua 150 km.
Corio Bay, see Geelong.
Corisco Bay 28
Corisco Is., Equatorial Guinea: 0.56 N. 9.21 E. 28
Cork, Eire: 51.50 N. 8.17 W. 5
Max. Size: Cork: LOA 152 m. – 158 m. Draft fresh water on Spring tides 8.7 m., on Neap tides 7.8 m. Whitegate: Tankers up to 275 m. LOA, 11.6 m. draft or 12 m. at highest tides. 55,000 d.w.t. or 90,000 d.w.t. (part load). Ringaskiddy: Draft 13 m. *Fuel:* All except marine diesel oil. *Dry Dock:* Main dry dock can take vessels up to 158.5 m. in length. Floating dock of 10,800 tons lifting capacity. *Airport:* 5 miles.
Corn Is., Nicaragua: 12.10 N. 83.05 W. 69
Corner Brook, Newfoundland, Canada: 48.57 N. 57.57 W. . . . 60
Max. Size: LOA 600 ft., draft 32 ft. Wharves: Depth 17 ft. – 34 ft. *Fuel:* Gas oil and marine diesel available by truck. *Airports:* Gander 222 miles; Stephenville, 50 miles; Deer Lake, 30 miles.
Corniquel, France: 47.58 N. 4.07 W. 19
Cornwall, Ontario, Canada: 45.00 N. 74.45 W. 61
Cornwallis, see Port Cornwallis.
Coro, Venezuela: 11.27 N. 69.36 W. 69, 73
Coromandel, New Zealand: 36.46 S. 175.32 E. 52
Coromandel Coast, India 37
Coron, Basuanga Is., Philippines: 12.01 N. 120.12 E. . . . 45, 46
Coronation Is., see South Orkney Is.
Coronel, Chile: 37.02 S. 73.10 W. 72
Max. Size: LOA 220 m., depth 40 ft. *Fuel:* Not available.
Corozal, Belize: 18.22 N. 88.26 W. 69
Corpach, U.K.: 56.50 N. 5.08 W. 5
Max. Size: LOA 61.87 m. (203 ft.), beam 10.67 m. (35 ft.), draft 4.11 m. (13 ft. 6 in.) FW. See also Caledonian Canal.
Corpus Christi, Texas, U.S.A.: 27.48 N. 97.23 W. 55, 66, 69
Max. Size: Cargo vessels: 39 ft. draft. Tankers: 40 ft. draft. Harbour Island has tanker docks with 45 ft. draft. *Fuel:* 1,500 Redwood, 1,000 Redwood. Bunker C, Marine diesel, Light diesel. *Airport:* 8 miles.
Corral, Chile: 39.52 S. 73.26 W. 72
Corrientes, Argentina: 27.29 S. 58.50 W. 72
Corsica, France 21, 24
Cortes, see Puerto Cortes.
Corumba, Brazil: 19.00 S. 57.37 W. 72
Corunna, Spain: 43.23 N. 8.22 W. 20, 21
Max. Size: Cargo vessels 57 ft. draft. Tankers: Largest tanker to enter 111,423 d.w.t. Draft on arrival and departure: Forward 15.24 m. Aft. 15.54 m. Depth alongside 17.0 m. *Fuel:* Available. *Airport:* Nearest international airport at Santiago de Compostella 60 km. away.
Corvo Is., Azores, (Portugal) 20
Coryton, U.K.: 51.31 N. 0.32 E. 7
(Incl. Shellhaven)
Max. Size: Coryton: LOA 1,200 ft., draft 45 ft. (MLW). Shellhaven: LOA 350 m., depth 14.6 m. (MLW).
Cosmoledo Is., Seychelles: 9.43 S. 47.36 E. 30
Cossack, see Port Walcott.
COSTA RICA 69, 72
Cotabato, Mindanao, Philippines: 7.15 N. 124.15 E. 46
Cote St. Catherine Lock, see St. Lawrence Seaway.
Coteau Landing, Quebec, Canada: 45.15 N. 74.13 W. 61
Cotonou, Benin: 6.20 N. 2.32 E. 27, 28, 29
Max. Size: Depth 11 m. Tankers: LOA 215 m., draft 31 ft. Also see Seme Terminal. *Fuel:* Fuel oil. *Airport:* International, 5 km.
Coueron, see Basse Irdre.
Country Harbour, see Isaac's Harbour.
Coupeville, Washington, U.S.A.: 48.14 N. 122.41 W. 56
Courseulles, France: 49.20 N. 00.28 W. 7, 19
Courtenay Bay, see Saint John, Canada.
Courtown Cays: 12.24 N. 81.27 W. 69
Covenas, Colombia: 9.25 N. 75.42 W. 69, 72
Max. Size: FSU: 180,000 tonnes displacement. LOA 265 m. Depth 35 m. TLU: 145,000 tonnes displacement. LOA 300 m. Depth 25 m. *Dry Docks:* None. *Airport:* Cartagena, 3 hours drive. Monteria, 1.5 hours drive.
Coverack, U.K.: 50.01 N. 5.06 W. 5
Covington, see Port Covington.
Cow Head, Newfoundland, Canada: 49.56 N. 57.48 W. 60
Cowell, S.A., Australia: 33.41 S. 136.56 E. 49, 50
Cowes, (Phillip Is.), Victoria, Australia: 38.27 S. 145.14 E. 49, 50
Cowes, U.K.: 50.46 N. 1.18 W. 5, 7
Max. Size: LOA 300 ft., draft 17 ft. *Fuel:* Fuel oil and diesel oil. *Dry Dock:* Length 200 ft., draft 14 ft.
Cowichan Bay, British Columbia, Canada: 48.45 N. 123.36 W. 56
Max. Size: Largest vessel 200.51 m. LOA, beam 30.89 m. Depth 8.3 m. – 9.3 m. *Fuel:* Available.
Cox's Bazaar, Bangladesh: 21.27 N. 91.58 E. 38
Cox's Cove, Newfoundland, Canada: 49.08 N. 58.03 W. 60
Cozumel, Mexico: 20.30 N. 86.50 W. 69
Craig, Alaska, U.S.A.: 55.28 N. 133.09 W. 56
Crail, U.K.: 56.15 N. 2.37 W. 5
Creeksea, U.K.: 51.37 N. 0.48 E. 7
Max. Size: LOA 120 m., draft 7.0 m. *Fuel:* Available. *Airport:* Southend, 7 miles.
Credit, see Port Credit.
Cres, Yugoslavia: 44.58 N. 14.25 E. 24
Crescent City, California, U.S.A.: 41.45 N. 124.12 W. 57
Crete, Greece 21, 24, 25, 26
Crib Point, see Western Port.
Crimea, U.S.S.R.: 26
Crinan Canal, U.K.: 56.05 N. 5.34 W. 5
Cristobal, Panama: 9.21 N. 79.55 W. 69, 70, 72
Max. Size: Harbour limitations generally unrestricted as to length and beam. Draft 40 ft. (12.2 m.). *Fuel:* Bunker "C", diesel, light fuel and light diesel. *Dry Dock:* Not available for commercial activities. Length 386 ft. (117.6 m.), breadth 60 ft. (18.3 m.), depth over blocks 20 ft. 6 in. (6.2 m.) MLW. *Airport:* Tocument International 48 miles.
Cristobal Colon, Venezuela: 10.39 N. 61.56 W. 69

Crofton, British Columbia, Canada: 48.51 N. 123.38 W. 38
Max. Size: LOA 700 ft., depth 40 ft. (LW). *Fuel:* Diesel only.
Croker Is., N.T., Australia: 11.10 S. 132.32 E. 49
Cromarty Firth, U.K.: 57.42 N. 4.03 W. 5
Max. Size: Invergordon: LOA 900 ft., draft 40 ft. Tankers: LOA 800 ft., draft 36 ft. Nigg Bay: LOA 290 m., depth 21 m.
Fuel: Available at Invergordon.
Cromer, U.K.: 52.56 N. 1.18 E. 7
Cronstadt Island, Trinidad: 10.39 N. 61.38 W. 69, 71, 74
Max. Size: LOA 350 ft., depth alongside 13.7 m.
Fuel: Available by barge.
Crooked Is., Bahamas: 22.45 N. 74.10 W. 69
Crotone, Italy: 39.05 N. 17.08 E. 24
Crow Head, Eire: 51.35 N. 10.09 W. 5
Crozet Is., (France): 46.22 S. 51.45 E 18
Cruz Bay, St. John, Virgin Is., (U.S.A.): 18.20 N. 64.48 W. . . . 69
Cruz Grande, Chile: 29.27 S. 71.20 W. 72
CUBA 69
Cuddalore, India: 11.43 N. 79.46 E. 37
Max. Size: Depth in anchorage 42 ft. *Fuel:* Not available.
Airport: Madras 180 km.
Cuio, Angola: 12.58 S. 12.58 E. 29
Cuipo, Panama: 9.05 N. 80.05 W. 70
Cul de Sac Bay, St. Lucia: 13.59 N. 61.02 W. 69, 71
Max. Size: LOA 750 ft., draft 40 ft. Tankers: LOA 1,300 ft., draft 82 ft. *Fuel:* Not available. See also Castries.
Culebra, Panama: 9.03 N. 79.39 W. 70
Culion, Culion Is., Philippines: 11.54 N. 120.01 E. 45, 46
Cullivoe, Shetland Is., U.K.: 60.42 N. 1.00 W. 5
Cumana, Venezuela: 10.28 N. 64.12 W. 69, 74
Max. Size: Least depth 8 m. (HW).
Fuel: Diesel oil is brought from Puerto La Cruz by road.
Cumaribo, see Puerto Cumaribo.
Cumberland, Quebec, Canada: 45.31 N. 75.24 W. 61
Cumberland Sound, N.W. Territories, Canada 59
Curacao, Netherlands Antilles 69, 73
Curiapo, Venezuela: 8.30 N. 61.05 W. 74
Curlew Is., Breton Sound, U.S.A. 67
Curtis Is., Kermadec Is., (New Zealand): 30.34 S. 178.34 W. . . 48
Cutler, Ontario, Canada: 46.14 N. 82.30 W. 62
Cutter Cove, Chile: 52.20 S. 72.30 W. 72
Cutuco, El Salvador, see La Union.
Cuxhaven, Germany: 53.52 N. 8.42 E. 8, 10
Max. Size: Depth 8.5 m. – 12 m. *Fuel:* Bunker and gas oil.
Dry Dock: Floating dock for vessels up to 140 m. LOA.
Airport: Hamburg-Fuhisbuttel, 130 km. Bremen, 110 km.
Cuyahoga, see Cleveland.
Cuyo, Philippines: 10.50 N. 121.01 E. 46
Cvetotchnoe, see Saimaa Canal.
Cyclades Is., Greece 25, 26
CYPRUS 21, 26
Cyrus Terminal, Iran: 29.01 N. 49.28 E. 35
Max. Size: Max. capacity 70,000 d.w.t., LOA 950 ft.
Fuel: Not Available.

NOTES, ADDITIONS, CORRECTIONS

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Dabo, Indonesia: 0.30 S. 104.32 E. 38
Dadiangas, Mindanao, Philippines: 6.06 N. 125.09 E. . . . 45, 46
Max. Size: LOA 151 m. Draft 7.5 m. *Fuel:* Available.
Airport: Buayan, 10.5 km.
Daepo, see Daipori.
Daesan, S. Korea: 37.02 N. 126.21 E. 41
Max. Size: 250,000 d.w.t. *Airport:* Seoul, 4.5 hours by car.
Dagupan, Luzon, Philippines: 16.05 N. 120.20 E. 46
Dahab, Egypt: 28.30 N. 34.30 E. 32
Dahej, India: 20.43 N. 72.35 E. 37
Max. Size: Anchorage: Depth 16 m. *Fuel:* Not available.
Airport: Vadodara, 90 km.
Dahlak Archipelago, Ethiopia 32
Dahomey, see **Benin.**
Dahouet, France: 48.35 N. 2.35 W. 7, 19
Daipori, South Korea: 38.10 N. 128.36 E. 41, 42
Dairen, see Dalian.
Daito Is., Japan 45
Dakar, Senegal: 14.40 N. 17.26 W. 1, 27
Max. Size: Draft 36 ft. (HW). Tankers: Draft 32 ft. 6 in.
Fuel: All grades. *Dry Docks:* Up to 60,000 d.w.t.
Airport: International.
Dakhla, see Villa Cisneros.
Dakoank, (Nicobar Is.), India: 7.00 N. 93.50 E. 38
Dalaro, Sweden: 59.08 N. 18.25 E. 10
Dalbeattie, see Palnackie.
Dalhousie, New Brunswick, Canada: 48.04 N. 66.22 W. 60
Max. Size: LOA 750 ft., beam 100 ft., draft 34 ft.
Fuel: Available by truck. *Airport:* 1 flight daily to Montreal.
Dalhousie, see Port Dalhousie.
Dalian, China: 38.55 N. 121.40 E. 41
Max. Size: Draft 10.66 m.
Tankers: 100,000 d.w.t., max. draft 14.93 m.
Fuel: Fuel oil and diesel available. *Airport:* Dalian.
Daliao, Mindanao, Philippines: 7.01 N. 125.31 E. 46
Dalma Is., U.A.E.: 24.30 N. 52.18 E. 35
Dalrymple Bay, see Hay Point.
Dalsbruk, Finland: 60.00 N. 22.30 E. 10
Daman, India: 20.24 N. 72.48 E. 37
Damietta, Egypt: 31.29 N. 31.45 E. 26, 32, 33
Max. Size: Draft 11 m. – 12.8 m., LOA 250 m.
Fuel: Available.
Dammam, Saudi Arabia: 26.30 N. 50.12 E. 31, 35
Max. Size: Berth depths up to 14 m.
Fuel: All grades. *Airport:* Dhahran.
Dampier, W.A., Australia: 20.38 S. 116.45 E. 38, 49
(Incl. Mistaken Is.: 20.39 S. 116.40 E.)
Max. Size: Ore loading: Depth 17.2 m. and 21.5 m.
General: Depth 7.19 m. (LAT). Salt: Depth 12.5 m.
(Mistaken Is.) *Fuel:* Not available.
Airport: Karratha 15 km., connects with Perth and Darwin.
Damqawt, Yemen: 16.20 N. 52.30 E. 31
Danang, Vietnam: 16.04 N. 108.13 E. 38
Max. Size: LOA 190 m., beam 26 m., draft 11 m.
Fuel: Available. *Dry Docks:* Max. 5,000 d.w.t.
Airport: Internal, 7 km.
Dandong, China: 40.08 N. 124.20 E. 41
Max. Size: 10,000 d.w.t. Depth at berth 9 m. – 10 m.
Depth in channel 6.3 m. – 8.0 m.
Danger Is., (New Zealand): 10.45 S. 165.50 W. 52
Dania, see Hadsund.
Daniel, see Port Daniel.
Daniels Harbour, Newfoundland, Canada: 50.13 N. 57.35 W. . . 60
Dante, Somalia: 10.27 N. 51.25 E. 31
D'Antifer, see Antifer.
Danube – Black Sea Canal, Romania 26
(Incl. Cernavoda, Medgidia, Basarabi and Agigea)
Max. Size: 5,000 tonnes (d.w.t.).
Daoulas, France: 48.22 N. 4.16 W. 19
Dapa, Siargas Is., Philippines: 9.45 N. 126.01 E. 46
Dar-Es-Salaam, Tanzania: 6.50 S. 39.17 E. 30
Max. Size: Twin-screw: LOA 182.9 m., draft 10.1 m. (HWOST). Single-screw: LOA 175 m. Tankers: LOA 175.26 m., 36,000 d.w.t., draft 9.75 m. *Fuel:* Available.
Airport: International.
Dardanelles, The 25, 26
Dargaville, New Zealand: 35.56 S. 173.52 E. 52
Darien, Panama: 9.07 N. 79.47 W. 70
Darien, Georgia, U.S.A.: 31.22 N. 81.25 W. 66
Darin, Saudi Arabia: 26.36 N. 50.04 E. 35
Darius Terminal, see Kharg Island.
Darlowo, Poland: 54.26 N. 16.24 E. 10
Dartmouth, Nova Scotia, Canada: 44.40 N. 63.30 W. 60
Max. Size: See Halifax.

Dartmouth, U.K.: 50.21 N. 3.34 W. 5
Max. Size: LOA 500 ft., draft 28 ft.
Fuel: Diesel available. *Airport:* Exeter, 35 miles.
Daru, Papua New Guinea: 9.04 S. 143.12 E. 45
Max. Size: Depth at LAT 2.4 m. (8.0 ft.).
Fuel: Available in drums.
Darvel Bay, see Bakapit, Lahad Datu, etc.
Darwin, N.T., Australia: 12.28 S. 130.50 E. 45, 49
Max. Size: LOA 246 m., draft 12.83 m.
Fuel: All grades available. *Airport:* International.
Darwin, see Port Darwin.
Das Island, U.A.E.: 25.09 N. 52.52 E. 31, 35
Max. Size: Loaded draft 79 ft. (24 m.).
LNG/LPG: Draft 46 ft. (14 m.) *Fuel:* Available.
Dry Docks: None. *Airport:* ADMA private airport.
Datu, see Lahad Datu.
Davant, Louisiana, U.S.A.: 29.36 N. 89.51 W. 67
Max. Size: Depth at berth 18 m. Depth in channel 12.19 m.
Davao, Mindanao, Philippines: 7.04 N. 125.38 E. 45, 46
Max. Size: Draft to 13 m. *Fuel:* All grades.
Airport: International, 3 km.
Davao Gulf, Philippines 45, 46
Davis Point, see San Francisco.
Davis Strait, Greenland/Canada 17, 53, 59
Dayina Is., U.A.E.: 24.57 N. 52.24 E. 35
Dayyer, Iran: 27.50 N. 57.56 E. 35
De Kastri, U.S.S.R.: 51.29 N. 140.47 E. 42
De La Maire Strait, Argentina 72
De Panne, Belgium: 51.05 N. 2.35 E. 7
De Pere, Wisconsin, U.S.A.: 44.27 N. 88.04 W. 62
De Tour, Michigan, U.S.A.: 45.50 N. 84.00 W. 62
Dead Sea 26, 32
Deal, U.K.: 51.13 N. 1.25 E. 7
Deauville, France: 49.23 N. 00.05 E. 7, 8
Max. Size: LOA 210 ft. (64 m.), beam 45 ft. and
draft 4.0 m. (Springs). See also Trouville.
Deception, Quebec, Canada: 62.00 N. 74.45 W. 59
Deception Is., see Port Foster.
Deer Park, Texas, U.S.A., see Houston.
Deering, Alaska, U.S.A.: 66.05 N. 162.44 W. 54
Deganwy, see Conway.
Degema, Nigeria: 4.44 N. 6.46 E. 28
Max. Size: Anchorage 16 ft. draft.
Degerhamn, Sweden: 56.20 N. 16.25 E. 10
Degrad-des-Cannes, Guyane: 4.51 N. 52.16 W. 72
Max. Size: Depth 2.5 m. plus height of tide, LOA 160 m.
Tankers: LOA 130 m. *Fuel:* Road tanker.
Dekheila, Egypt: 30.58 N. 29.48 E. 26
Max. Size: 160,000 d.w.t., depth 20 m.
Delair, see Philadelphia.
Delarof Is., (Aleutian Islands), Alaska, U.S.A. 54
Delaware, U.S.A. 60, 63
Delaware Bay, Delaware, U.S.A. 60, 63, 65
Delaware City, Delaware, U.S.A.: 39.35 N. 75.36 W. 63, 65
Max. Size: See Chesapeake & Delaware Ship Canal.
Delft, Netherlands: 52.01 N. 4.26 E. 7
Delfzijl, Netherlands: 53.20 N. 6.56 E. 8, 10
Max. Size: Draft up to 9.3 m. (HW). *Dry Docks:* 3,000 d.w.t.
Airport: Eelde (Groningen).
Dellys, Algeria: 36.55 N. 3.55 E. 22
Max. Size: LOA 100 m., draft 18 ft. *Fuel:* Not available.
Airport: Algiers, 80 km.
Demerara, see Georgetown.
Demta, Indonesia: 2.21 S. 140.10 E. 45
Den Helder, Netherlands: 52.58 N. 4.47 E. 7, 8
Dendang, Indonesia: 3.06 S. 107.54 E. 38
Denham, W. A., Australia: 25.55 S. 113.31 E. 49
Denia, Spain: 38.50 N. 00.07 E. 22
DENMARK 9, 10, 11
Denmark, W.A., Australia: 35.00 S. 117.20 E. 49
Denofa, see Fredrikstad.
D'Entrecasteux Is., Papua New Guinea 45
D'Entrecasteux Point, W.A., Australia: 34.50 S. 116.00 E. 49
Derby, W.A., Australia: 17.17 S. 123.35 E. 49
Port closed. All shipments via Broome.
Derince, Turkey: 40.45 N. 29.50 E. 25
Max. Size: Depths to 12.5 m. *Fuel:* Fuel and diesel by truck.
Airport: Istanbul, 130 km.
Derna, Libya: 32.45 N. 22.40 E. 24
Max. Size: Depth 9 m. Tankers: 18,000 d.w.t., draft 11.5 m.
Fuel: Available.
Deseado, see Puerto Deseado.
Deseo, see Caimanera.
Deseronto, Ontario, Canada: 44.12 N. 77.03 W. 62
Destrehan, Louisiana, U.S.A.: 29.56 N. 90.21 W. 67
Max. Size: Minimum 41 ft. depth. *Fuel:* Not available.
Detroit, Michigan, U.S.A.: 42.19 N. 83.05 W. 55, 62
Max. Size: LOA 730 ft., draft 26 ft.
Fuel: All grades available.
Deventer, Netherlands: 52.15 N. 6.09 E. 7
Deversoir, Egypt: 30.25 N. 32.22 E. 33
Deversoir By-Pass, Suez Canal 33
Devils Is., Guyane 72
Devonport, Tasmania, Australia: 41.11 S. 146.22 E. 49
Max. Size: LOA 200 m., draft 9.6 m.
Fuel: Road tanker delivery only. *Airport:* Internal, 8 km.
Devonport, New Zealand: 36.50 S. 174.50 E. 52
Devonport, U.K.: 50.25 N. 4.10 W. 5
Dhekelia, Cyprus: 34.58 N. 33.44 E. 26
Max. Size: LOA 735 ft., draft 41 ft. *Fuel:* Not available.
Dhenousa Is., Greece: 37.08 N. 25.50 E. 25
Dhuba, Saudi Arabia: 27.20 N. 35.43 E. 32
Dia Is., Greece: 35.26 N. 25.15 E. 25
Diamante, Argentina: 32.05 S. 60.33 W. 72, 75
Max. Size: LOA 250 m., depth 30 ft. *Fuel:* Not available.
Diamond Harbour, see Haldia.
Dibba, Oman: 25.38 N. 56.17 E. 35
Dicido, see Castro Urdiales.
Dickson, see Port Dickson.
Diego Alvarez, see Gough Is.
Diego Garcia, Chagos Archipelago, (U.K.): 7.21 S. 72.28 E. 30
Diego Suarez, Madagascar, see Antsiranana.
Dielette, France: 49.33 N. 1.52 W. 7, 19
Dieppe, France: 49.55 N. 1.04 E. 7, 8
Max. Size: LOA 155 m. – 165 m., 10,000 – 12,000 d.w.t.
Depth 4.5 m. – 9 m. *Fuel:* Small quantities by tanker lorry.
Dry Docks: Can receive ships 129 m. × 17 m.
Airport: Saint Aubin, 3 km.
Digby, Nova Scotia, Canada: 44.38 N. 65.45 W. 60
Max. Size: LOA 400 ft., 28 ft. depth at LW. *Fuel:* Diesel
oil only. *Airport:* Small local. Halifax, 180 miles.
Digges Is., N.W. Territories, Canada: 62.34 N. 77.55 W. 59
Dikili, Turkey: 39.05 N. 26.54 E. 25, 26
Dikson, see Port Dikson.
Dikson Is., U.S.S.R.: 73.40 N. 80.05 E. 16
Diliskelesi, Turkey: 40.46 N. 29.32 E. 25
Max. Size: Depth 7.4 m. – 12 m. *Fuel:* Not available.
Dilli, Indonesia: 8.33 S. 125.31 E. 45
Max. Size: LOA 120 m., depth 7 m. *Fuel:* Not available.
Dillingham, Alaska, U.S.A.: 59.00 N. 158.30 W 54
Dinagat Is., Philippines 46
Dinant, Belgium: 50.15 N. 4.55 E. 7
Dinard, France: 48.38 N. 2.05 W. 7, 19
Dingle, Eire: 52.08 N. 10.16 W. 5
Dingle, see Liverpool, U.K.
Dingle Bay, Eire 5
Dingwall, Nova Scotia, Canada: 46.54 N. 60.28 W. 60
Dinorwic, see Port Dinorwic.
Diomede Is., U.S.S.R.: 65.45 N. 169.10 W. 54
Dipolog, Mindanao, Philippines: 8.35 N. 123.20 E. 45, 46
Direction Is., see Cocos Is.
Disappointment Is., French Polynesia: 14.08 S. 141.15 W. 48
Discovery Bay, see Port Rhoades, Jamaica.
Disko Is., Greenland, (Denmark) 17
Diu, India: 20.43 N. 71.00 E. 37
Divilacan, see Aparri.
Dixon Entrance, U.S.A./Canada 56
Dixon Island, see Port Walcott.
Djajapura, Indonesia: 2.32 S. 140.43 E. 45
Djakarta, see Jakarta.
Djeno Terminal, Congo: 4.56 S. 11.54 E. 29
Max. Size: Draft 16 m. (52 ft. 6 in.)
Fuel: Available at Pointe Noire. *Airport:* At Pointe Noire.
Djerba, Tunisia: 33.52 N. 10.51 E. 24
DJIBOUTI 31, 32
Djibouti, Djibouti: 11.36 N. 43.08 E. 31, 32
Max. Size: Draft: Cargo vessels 32 ft., tankers 32 ft. – 36 ft..
Fuel: Fuel and diesel oil. *Airport:* International, 7 km.
Djidjelli, see Jijel.
Djupivogur, Iceland: 64.40 N. 14.15 W. 17
Djuron, Sweden: 58.38 N. 16.20 E. 10
Max. Size: Depth 12.2 m. (MLW).
Dobo, Wokum Is., Aru Is., Indonesia: 5.45 S. 134.12 E. 45
Docksta, see Askja.
Dodecanese Is., Greece: 37.00 N. 27.00 E. 25, 26
Dogger Bank, North Sea 5
Doha, Qatar: 25.17 N. 51.32 E. 31, 35
Max. Size: LOA 625 ft., beam 90 ft., draft 28 ft. 6 in. (HT).
Fuel: Available. *Dry Dock:* Capacity 10,000 d.w.t.
Airport: International, 3 miles.
Dolak Is., Irian Jaya, Indonesia 45
Domburg, Netherlands: 51.35 N. 3.32 E. 7
Dominica, see Roseau.
Dominical, Costa Rica: 9.15 N. 83.50 W. 69
DOMINICAN REPUBLIC 69
Domsjo, see Kopmanholmen.

Donaldsonville, Louisiana, U.S.A.: 30.05 N. 91.00 W. 67
Max. Size: Depth 30 ft. – 44 ft. *Fuel:* Available.
Dondra Head, Sri Lanka: 5.55 N. 80.40 E. 37
Donegal, Eire: 54.39 N. 8.07 W. 5
Donegal Bay, Eire 5
Dong Hoi, Vietnam: 17.28 N. 106.38 E. 38
Dongarra, W.A., Australia: 29.17 S. 114.56 E. 49
Donges, France: 47.18 N. 2.04 W. 19
Max. Size: LOA 350 m., draft 16.1 m.
Airport: Nantes, 1 hour by road, or locally, St. Nazaire for Paris. Also see St. Nazaire.
Dongfang, China: 19.06 N. 108.36 E. 38
Donggala, Indonesia: 00.39 S. 119.44 E. 38, 45
Donnaconna, Quebec, Canada: 46.40 N. 71.46 W. 60
Donnes, Norway: 66.10 N. 12.45 E. 15
Donsol, Luzon, Philippines: 12.55 N. 123.35 E. 46
Dordrecht, Netherlands: 51.49 N. 4.40 E. 7, 8
Max. Size: LOA 175 m., beam 25 m., draft 31 ft.
Fuel: Available by barge. *Airport:* Rotterdam 25 km. and Amsterdam 90 km.
Dornoch, U.K.: 57.50 N. 4.00 W. 5
Dornumersiel, Germany: 53.41 N. 7.22 E. 8
Dorytol, Turkey: 36.50 N. 36.12 E. 26
Max. Size: Delta Terminal: LOA 220 m., depth 12.6 m., 40,000 d.w.t. *Airport:* Adana, 100 km.
Dos Bocas, Mexico: 18.37 N. 93.10 W. 69
Max. Size: 250,000 d.w.t., LOA 345 m.
Douala, Cameroon: 4.03 N. 9.42 E. 28, 29
Max. Size: LOA 200 m., draft 8.0 m.
Tankers: Depth 9.0 m. at LW (tidal range 2.20 m.).
Fuel: Available. *Airport:* International, 12 km.
Douarnenez, France: 48.06 N. 4.19 W. 19
Douglas, (Isle of Man), U.K.: 54.09 N. 4.28 W. 5
Max. Size: Passenger: LOA 350 ft., draft 13 ft. Cargo vessels: LOA 190 ft.,draft 12 ft. Tankers: LOA 230 ft., draft 13 ft. at LWOST. *Fuel:* Delivered by road tanker only.
Airport: Ronaldsway, 8 miles.
Douglas, see Port Douglas, Australia.
Douglas Point, Ontario, Canada: 44.19 N. 81.37 W. 62
Douglastown, Quebec, Canada: 48.46 N. 64.23 W. 60
Douro River, see Leixoes.
Dover, Tasmania, Australia: 43.19 S. 147.02 E. 49
Dover, U.K.: 51.07 N. 1.18 E. 5, 7
Max. Size: Depth 4.6 m. – 9.1 m. *Fuel:* Gas oil available.
Airport: London (Heathrow and Gatwick) Airports.
Dover, see Port Dover, Canada.
Drag, Norway: 68.02 N. 16.04 E. 15
Dragor, Denmark: 55.36 N. 12.41 E. 11
Drake Passage 51, 72
Drammen, Norway: 59.49 N. 10.13 E. 8, 10
Max. Size: Draft 30 ft. Tankers: Draft 9 m.
Fuel: All grades. *Dry Docks:* Floating – 20,000 tons.
Airport: Fornebu (Oslo), 16 miles.
Drapetzona, see Piraeus.
Dreger Harbour, see Finschhaven.
Dreines, see Trangisvaag.
Drepano, Greece: 38.19 N. 21. 52 E. 24, 25
Drift River, Alaska, U.S.A.: 60.33 N. 152.08 W. 54
Drobak, Norway: 59.40 N. 10.38 E. 8, 10
Drogheda, Eire: 53.45 N. 6.18 W. 5
Druif, (Aruba), Netherlands Antilles: 12.32 N. 70.04 W. 73
Drujba, see Bourgas.
Dry Tortugas Is., Florida, U.S.A. 66, 69
Dubai, U.A.E.: 25.16 N. 55.18 E. 31, 35
Max. Size: (Also see Port Rashid). Khor Dubai: Depth 3 m. – 5.5 m. Hamriya Port: Depth 4.5 m. – 6 m.
Fuel: See Port Rashid. *Dry Dock:* See Port Rashid.
Airport: Regular International flights.
Dubh Artach, U.K.: 56.05 N. 6.50 W. 5
Dublin, Eire: 53.21 N. 6.16 W. 5
Max. Size: Draft 10 m. HW Neap Tides, 10.2 m. HW Normal Tides, 10.5 m. HW Spring Tides. LOA approx. 200 m.
Fuel: All grades. *Dry Docks:* Normal length 637 ft.
Airport: Dublin, 6 miles.
Dublin Bay, Eire 5
Dubrovnik, Yugoslavia: 42.38 N. 18.07 E. 21, 24
Max. Size: LOA 230 m., draft 32 ft.
Airport: International, 25 km.
Duc Pho, Vietnam: 14.45 N. 109.05 E. 38
Ducie Is., Pitcairn Is., (U.K.): 24.40 S. 124.48 W. 48
Duckerswich, Germany: 54.03 N. 9.19 E. 12
Dudinka, U.S.S.R.: 69.25 N. 86.10 E. 16
Due, see Makarevskiy.
Dufferin, see Port Dufferin.
Dugirat, see Omis.
Duisburg, Germany: 51.25 N. 6.46 E. 10
Max. Size: LOA 110 m., beam 11.4 m., draft 3.5 m.
Airport: Dusseldorf, 20 km.
Duke of Gloucester Is., French Polynesia: 20.36 S. 143.16 W. . 48
Dukhan, Qatar: 25.28 N. 50.51 E. 35
Duluth, Minnesota, U.S.A.: 46.49 N. 92.09 W. 55, 62
Max. Size: Duluth: Depth 26 ft. Superior: Depth 27 ft.
Fuel: Available. *Dry Docks:* At Superior, 831 ft. × 95 ft.
Dumaguete, Negros, Philippines: 9.15 N. 123.18 E. 45, 46
Max. Size: Draft 12 m., 20,000 d.w.t.
Dumai, Indonesia: 1.41 N. 101.27 E. 38, 39
Max. Size: LOA 315 m. (1,033 ft.), draft 17.7 m.
Fuel: Not available. *Airport:* Internal, 10 km.
Dumaring, Indonesia: 1.45 N. 118.10 E. 38, 45
Dumbarton, U.K.: 55.57 N. 4.34 W. 5, 6
Dumfries, U.K.: 55.03 N. 3.36 W. 5
Dun Laoghaire, Eire: 53.18 N. 6.08 W. 5
Max. Size: Depth 5.5 m. *Fuel:* Available.
Dry Docks: See Dublin. *Airport:* Dublin, 20 km.
Dunbar, U.K.: 56.01 N. 2.31 W. 5, 6
Max. Size: LOA 50 m., draft 4 m. (HWS).
Fuel: Road tanker. *Airport:* Edinburgh 35 miles.
Dunbeath, U.K.: 58.15 N. 3.27 W. 5
Duncan Bay, see Campbell River.
Duncan Passage, (Andaman Islands), India 38
Duncannon, Eire: 52.13 N. 6.56 W. 5
Duncansby Head, U.K.: 58.39 N. 3.01 W. 5
Dundalk, Eire: 54.00 N. 6.23 W. 5
Dundalk, see Baltimore.
Dundalk Bay, Eire 5
Dundas, Greenland, see North Star Bugt.
Dundas Strait, Australia 45, 49
Dundee, U.K.: 56.28 N. 2.57 W. 5
Max. Size: LOA 600/700 ft., beam 90 ft., draft 28.5 ft.
Fuel: Available. *Dry Dock:* 500 ft. length, 46 ft. beam, draft 13 ft. 6 in. *Airport:* Dundee.
Dundrum, U.K.: 54.16 N. 5.51 W. 5
Dunedin, New Zealand: 45.53 S. 170.31 E. 52
Max. Size: Draft 7.6 m. (HW), LOA 184 m. (604 ft.).
Tankers: Draft 7.1 m. *Fuel:* Available. *Dry Docks:* None.
Airport: International, 25 km.
Dungarvan, Eire: 52.05 N. 7.35 W. 5
Dungeness, U.K.: 50.55 N. 0.58 E. 5,7
Dungun, Malaya, Malaysia: 4.47 N. 103.27 E. 38, 39
Dungunab, Sudan: 21.10 N. 37.10 E. 32
Dunkirk, France: 51.03 N. 2.24 E. 7
Max. Size: Draft 14.2 m., LOA 265 m. (Turbine), 289 m. (Motor), width 42 m. Tankers: Up to 470,000 d.w.t.
Fuel: Diesel and gas oil. *Dry Dock:* Max. length of vessel 289 m., beam 44 m., draft 8.5 m. *Airport:* Marck, 35 km.
Dunkirk, New York, U.S.A.: 42.30 N. 79.20 W. 60, 62, 63
Dunmore East, Eire: 52.09 N. 6.59 W. 5
Max. Size: Depth 2.9 m. *Fuel:* Diesel.
Airport: Waterford, 13 km.
Dunoon, U.K.: 55.57 N. 4.55 W. 5, 6
Max. Size: Depth 4.3 m.
Dunvegan, U.K.: 57.26 N. 6.35 W. 5
Duran, see Guayaquil.
Durazzo, see Durres.
Durban, South Africa: 29.53 S. 31.02 E. 30
Max. Size: Draft 38 ft., LOA 800 ft. Tankers: SBM up to 300,000 d.w.t. *Fuel:* All grades of fuel available.
Dry Docks: Overall docking length 364.44 m. Width at entrance top 33.528 m. Depth on entrance sill HWOST 12.497 m. *Airport:* 15 miles, connects Johannesburg.
Durness, U.K.: 58.40 N. 4.30 W. 5
Durres, Albania: 41.19 N. 19.28 E. 21, 24
Max. Size: Draft 27 ft. 6 in. *Fuel:* Emergency only.
Airport: Rinas, 35 km.
D'Urville Is., New Zealand: 40.50 S. 173.52 E. 52
Dusseldorf, Germany: 51.14 N. 6.46 E. 10
Dutch Harbour, see Unalaska.
Duwwah, Masirah Is., Oman: 20.45 N. 59.00 E. 31
Dwarkar, India: 22.15 N. 69.01 E. 37
Dynas, see Kramfors.
Dzaoudzi, see Port Dzaoudzi.
Dzubga, U.S.S.R.: 44.19 N. 38.42 E. 26

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E

Eads, see Port Eads.
Eagle Point, see Philadelphia.
Eagle River, Michigan, U.S.A.: 47.25 N. 88.20 W. 62
Ealo, Marquesas I., French Polynesia: 7.56 S. 140.43 W. 48
East Bay, Louisiana, U.S.A. 67
East Boston, see Boston.
East Cape, New Zealand: 37.42 S. 178.36 E. 52
East China Sea 41, 45
East Falkland, see Falkland Is.
East London, South Africa: 33.02 S. 27.55 E. 30
Max. Size: LOA 239 m., draft 9.9 m. Tankers: LOA 204 m., draft 9.9 m. *Fuel:* Heavy oil and gas oil available. *Dry Docks:* Overall docking length 198.5 m., width at entrance top 27.2. m., depth on sill, HWOST 10.2 m. *Airport:* 8 km., connects with Johannesburg.
East River, New York, U.S.A. 63
East Siberian Sea 54
East Zeit Terminal, Egypt: 27.51 N. 33.36 E 32
Max. Size: 85,000 d.w.t., depth 20 m. – 44 m.
Eastbourne, U.K.: 50.46 N. 00.18 E. 7
Easter Island, Chile: 27.08 S. 109.22 W. 1, 48
Max. Size: Anchorage. *Fuel:* Available. *Airport:* International, 2 miles.
Eastern Channel, Korea Strait 44
Eastham, U.K.: 53.21 N. 2.58 W. 5
Max. Size: See Manchester.
Eastmain, Quebec, Canada: 52.13 N. 78.30 W. 59
Eastport, Maine, U.S.A.: 44.54 N. 66.59 W. 60
Eauripik Is., see Kama.
Ebeltoft, Denmark: 56.12 N. 10.41 E. 10, 11
Ebon, Marshall Is., (U.S.A.): 4.35 N. 168.40 E. 48
Eccles, see Manchester.
Eceabat, Turkey: 40.12 N. 26.21 E. 25
Eckernforde, Germany: 54.29 N. 9.51 E. 10
Max. Size: Outer Harbour: Draft 5 m. Inner Harbour: Draft 3 m. *Fuel:* Diesel oil available.
Eckero, Aland Is., Finland: 60.14 N. 19.35 E. 10
Ecopetrol, see Mamonal.
ECUADOR 69, 72
Eday Is., U.K.: 59.11 N. 2.47 W. 5
Edd, Ethiopia: 14.00 N. 41.37 E. 32
Eddystone Point, Tasmania, Australia: 41.01 S. 148.21 E. 49
Edea, Cameroon: 3.51 N. 10.11 E. 28
Eden, N.S.W., Australia: 37.04 S. 149.55 E. 49
Max. Size: 50,000 g.r.t., depth 12.5 m. Tankers: LOA 180 m., draft 10.3 m. *Fuel:* Limited. *Dry Docks:* None. *Airport:* Merimbula 18 km., connects with Sydney.
Edenton, North Carolina, U.S.A.: 36.04 N. 76.37 W. 63
Edgard, Louisiana, U.S.A.: 30.02 N. 90.33 W. 67
Edgartown, Massachusetts, U.S.A.: 41.23 N. 70.29 W. 63
Edge Is., Norway: 78.00 N. 23.00 E. 17
Edgell Is., N.W. Territories, Canada: 61.50 N. 65.00 W. 59
Edgewater, see Hoboken.
Edinburgh, U.K.: 55.57 N. 3.12 W. 4, 6
Max. Size: See Leith.
Edinburgh, Tristan da Cunha, (U.K.): 37.03 S. 12.18 W. 29
Max. Size: Anchorage in 18 fathoms.
Edincik, Turkey: 40.21 N. 27.51 E. 26
Max. Size: 5,000 d.w.t.
Edithburgh, see Port Giles.
Edmonds, Washington, U.S.A.: 47.48 N. 122.22 W. 56
Eemshaven, Netherlands: 53.27 N. 6.50 E. 8, 10
Max. Size: Depth 14.0 m. *Fuel:* Available.
Efate Is., New Caledonia 48
Egadi Is., (Sicily), Italy: 38.00 N. 12.30 E. 24
Ege Gubre, see Nemrut Bay.
Egedesminde, see Aasiaat.
Egegik, Alaska, U.S.A.: 58.12 N. 157.22 W. 54
Egernsund, see Grasten.
Egersund, Norway: 58.27 N. 6.00 E. 10
Max. Size: 45,000 d.w.t., draft 31 ft. *Fuel:* Gas oil and light marine diesel.
Egmont Is.: 6.48 S. 71.25 E. 30, 37
Egvekinot, U.S.S.R.: 66.20 N. 179.18 W. 54
EGYPT, ARAB REPUBLIC OF 21, 26, 32
Eiao, Marquesas Is., French Polynesia: 8.00 S. 140.41 W. 48
Eigg, U.K.: 56.55 N. 6.10 W. 5
Eight Degrees Channel, Lakshadweep Is. 37
Eikefet, Norway: 60.42 N. 5.33 E. 10
Eil, Somalia: 8.01 N. 49.55 E. 31
Eilat, Israel: 29.32 N. 34.57 E. 21, 32
Max. Size: Main Cargo Jetty: LOA 528 m., draft 39 ft. South Oil Jetty: 500,000 d.w.t., depth 94 ft. *Fuel:* All grades. *Dry Dock:* Syncrolift capacity 1,200 tons. *Airport:* Eilat, connects with Tel Aviv.
Einswarden, see Nordenhaven.
EIRE, (Republic of Ireland) 5
Eisenhower Lock, see St. Lawrence Seaway.
Ekenas/Tammisaari, Finland: 59.58 N. 23.26 E. 10
(incl. Skogby: 59.55 N. 23.19 E.) *Max. Size:* Draft 15.1 ft. (4.6 m.). Skogby: Draft 24 ft. *Fuel:* Tank trucks only. *Airport:* Helsinki, 100 km.
Ekonomiya, U.S.S.R.: 64.42 N. 40.31 E. 16
Ekuata, Gabon: 0.16 N. 9.17 E. 28
El Aalun, see Laayoune.
El Alamein, see Marsa al Hamra.
El Araich, see Larache.
El Arish, Egypt: 31.10 N. 33.50 E. 26, 32
El Ballah, Egypt: 30.45 N. 32.15 E. 33
El Bluff, see Blue Fields.
El Botado, see Puerto Duarte.
El Cap, Egypt: 30.55 N. 32.18 E. 33
El Chaure, Venezuela: 10.15 N. 64.37 W. 69, 74
Max. Size: 60,000 d.w.t., LOA 750 ft., draft 39 ft. 6 in.
El Cuyo, Mexico: 21.30 N. 87.40 W. 69
El Dekheila, see Dekheila.
El Djazair, see Algiers.
El Ferrol, see Ferrol.
El Firdan, Egypt: 30.40 N. 32.16 E. 33
El Guamache, Venezuela: 10.52 N. 64.04 W. 69, 74
Max. Size: Depth 36 ft. (LW), 42 ft. (HW). *Fuel:* Not available. *Airport:* Internal, 15 km.
El Jadida, Morocco: 33.15 N. 8.31 W. 27
Max. Size: LOA 80 m., draft 5 m. at HW. *Fuel:* Available. *Airport:* Casablanca.
El Kala, see La Calle.
El Kantara, Tunisia: 33.45 N. 11.00 E. 24
El Nido, Palawan, Philippines: 11.10 N. 119.25 E. 46
El Palito, Venezuela: 10.29 N. 68.07 W. 69, 73
Max. Size: Draft 40 ft., LOA 750 ft. *Fuel:* Available for vessels loading. *Airport:* 4 miles.
El Quseir, see Quseir.
El Real, Panama: 8.15 N. 77.50 W. 69
EL SALVADOR 69
El Segundo Terminal, California, U.S.A.:
33.54 N. 118.27 W. 55, 57
Max. Size: Draft 56 ft., LOA 1,000 ft., up to 150,000 d.w.t. *Fuel:* Not available but may be arranged through San Pedro. *Airport:* Los Angeles International, 2 miles.
El Tabaco, Mexico: 19.20 N. 105.15 W. 57
El Tablazo, Venezuela: 10.45 N. 71.32 W. 69, 73
Max. Size: Draft 29 ft. 6 in., LOA 820 ft., 50,000 d.w.t.
El Tina, Egypt: 31.05 N 32.18 E 33
El Tur, Egypt: 28.14 N. 33.37 E. 32
Elath, see Eilat.
Elato Is., Caroline Islands, Micronesia; 7.30 N. 146.10 E. 45
Elba, Italy: 42.45 N. 10.00 E. 24
Elbeuf, France: 49.17 N. 1.05 E. 7
Elblag, Poland: 54.12 N. 19.25 E. 10
Electrona, see Hobart.
Elephant Pass, Sri Lanka: 9.33 N. 80.25 E. 37
Elephant Point, Bangladesh: 21.10 N. 92.00 E. 38
Eleusis, Greece: 38.02 N. 23.33 E. 23, 24, 25, 26
Max. Size: Draft entering Eleusis Bay is 35 ft., draft at berths is 33 ft. Tankers: LOA 160 m., beam 30 m., depth at pier 30 ft. *Fuel:* Available ex-wharf at tanker installations, by barge at other locations. *Dry Docks:* 115,000 d.w.t. *Airport:* Athens.
Eleuthera Is., Bahamas 69
Elfin Cove, Alaska, U.S.A.: 58.11 N. 136.20 W. 56
Elgin, see Port Elgin.
Elim, Alaska, U.S.A.: 64.30 N. 162.37 W. 54
Elizabeth, see New York.
Elizabeth, see Port Elizabeth, South Africa.
Elizabeth City, North Carolina, U.S.A.: 36.18 N. 76.14 W. 63
Elizabeth Port, see Newark.
Ellefsen Harbour, see Scotia Bay.
Ellen, see Port Ellen.
Ellesmere Port, U.K.: 53.17 N. 2.54 W. 5, 6
Max. Size: See Manchester.
Ellice Is., see Tuvalu.
Ellington, see Suva.
Ellinoperamaton, see Iraklion.
Elliston, S.A., Australia: 33.39 S. 134.52 E. 49
Ellsworth, Maine, U.S.A.: 44.30 N. 68.54 W. 63
Elobey Is., Equatorial Guinea: 1.00 N. 9.34 E. 28
Eloi Bay, Louisiana, U.S.A. 67
Eloy Alfaro, see Guayaquil.

Elsfleth, Germany: 53.14 N. 8.28 E. 8, 10
Max. Size: LOA 80 m. Depth alongside 4.7 m.
Fuel: Delivered by bunker barge. *Airport:* Bremen, 50 km.

Elsinore, see Helsingor.

Emden, Germany: 53.23 N. 7.13 E. 8, 10
Max. Size: Restrictions imposd by locks at Emden: 255 m. length and 35.50 m. width. Draft 36 ft. direct or 45 ft. (salt) after lightening. *Fuel:* All grades available.
Dry Docks: Largest 218 m.×30 m.
Airport: Bremen and Hamburg, about 2 – 3 hours drive.

Emmastad, see Willemstad/Emmastad.

Emmaste, U.S.S.R.: 58.50 N. 22.30 E. 10

Emmerich, Germany: 51.50 N. 6.16 E. 7

Empalme, Mexico: 28.00 N. 110.50 W. 57

Empedocle, see Porto Empedocle.

Empire, Panama: 9.03 N. 79.40 W. 70

Empire, Louisiana, U.S.A.: 29.24 N. 89.36 W. 67

Empire, Oregon, U.S.A.: 43.25 N. 124.17 W. 57

Emu Bay, see Burnie.

Encarnacion, Paraguay: 27.15 S. 55.50 W. 72

Endau, Malaysia: 2.40 N. 103.38 E. 38, 39

Ende, Indonesia: 8.51 S. 121.39 E. 45

Enderbury Is., Phoenix Is., Kiribati: 3.07 S. 171.03 W. 48

ENEL Terminal, see Ravenna.

Enganno Is., Malaysia; 5.20 S. 102.10 E. 38

England, U.K. 5, 7

Englewood, British Columbia, Canada: 50.32 N. 126.53 W. . . . 56

English Bay, see Vancouver.

English Bay, Alaska, U.S.A.: 59.10 N. 152.00 W. 54

English Channel 5, 7, 19

English Harbour, Fanning Is. Kiribati: 3.55 N. 159.20 W. . . . 48

Engure, U.S.S.R.: 57.10 N. 23.12 E. 10

Eniwetok, Marshall Is., (U.S.A.): 11.20 N. 162.20 E. 48

Enkhuizen, Netherlands: 52.40 N. 5.15 E. 7

Enkoping, Sweden: 59.38 N. 17.05 E. 10

Ensenada, Argentina: 34.50 S. 57.50 W. 75

Ensenada, Mexico: 31.51 N. 116.38 W. 57
Max. Size: Depth 10.5 m. *Fuel:* Available.
Dry Dock: For 1,400 tons. *Airport:* Tijuana, International.

Ensenada de Mora, see Pilon.

Ensenada Honda, see Fajara.

Ensted, Denmark: 55.01 N. 9.26 E. 10
Max. Size: Oil Terminal: LOA 350 m., depth 18 m.
Coal Terminal: LOA 350 m., depth 18 m. *Fuel:* Available by barge. *Airport:* Skrydstrup, 25 km.

Enstedvaertkets, see Aabenraa.

Epe, Nigeria: 6.40 N. 3.58 E. 28

Equatorial Channel, Maldive Is. 37

EQUATORIAL GUINEA 28, 29

Era, Japan: 41.45 N. 140.00 E. 42

Eran, Palawan, Philippines: 9.00 N. 117.50 E. 38

Erdek, Turkey: 40.23 N. 27.48 E. 25

Eregli, Turkey: 41.18 N. 31.27 E. 26
(incl. Usunkum)
Max. Size: Eregli: Up to 28 ft. draft. Usunkum: LOA 240 m., beam 36 m., draft 36 ft. *Fuel:* Diesel by truck.
Airport: Istanbul, 300 km.

Ereglisi, Turkey: 40.58 N. 27.57 E. 25

Erenkoy, Turkey: 40.58 N. 29.04 E. 25

Erie, Pennsylvania, U.S.A.: 42.10 N. 80.05 W. 55, 60, 62
Max. Size: LOA 730 ft., draft 26 ft.
Fuel: All grades available. *Dry dock:* Available.

Erin, see Port Erin.

Ermioni, Greece: 37.23 N. 23.15 E. 25

Ermoupolis, see Syros.

Eromanga Is., Vanuatu: 18.42 S. 169.09 W. 48

Erquy, France: 48.38 N. 2.28 W. 7, 19

Errol Is., Louisiana, U.S.A. 67

Es Sider, Libya: 30.38 N. 18.22 E. 24
Max. Size: LOA 1,165 ft., beam 184 ft., draft 73 ft., 300,000 d.w.t. *Fuel:* Not available.

Es Zueitina, see Zueitina.

Esashi, Japan: 41.51 N. 140.07 E. 42

Esashi, Japan: 44.58 N. 142.34 E. 42

Esbjerg, Denmark: 55.28 N. 8.26 E. 10
Max. Size: Draft 31 ft. 2 in. Tankers: LOA 735 ft. *Fuel:* By road tanker. *Airport:* 8 km., connects with Copenhagen.

Escanaba, Michigan, U.S.A.: 45.45 N. 87.04 W. 62

Escobal, Panama: 9.09 N. 79.58 W. 70

Escombreras, see Cartagena.

Escondida, Mexico: 15.51 N. 97.06 W. 69

Escravos Terminal, Nigeria: 5.30 N. 5.00 E. 28
Max. Size: 350,000 d.w.t. in dry season, otherwise 300,000 d.w.t. *Fuel:* Available by barge from Warri.

Eskilstuna, Sweden: 59.22 N. 16.31 E. 10

Eskimo Point, N.W. Territories, Canada: 61.07 N. 94.01 W. . . . 59

Eskimonaes, Greenland, (Denmark): 75.05 N. 21.15 W. 17

Esmeraldas, Ecuador: 1.00 N. 79.39 W. 69, 72
Max. Size: LOA 200 m., draft 35 ft. *Fuel:* Available.

Esperance, W.A., Australia: 33.52 S. 121.53 E. 49
Max. Size: Draft 11.5 m. Max. departure displacement 45,000 tons. *Fuel:* Available by road tanker only.
Dry Docks: None. *Airport:* 25 km., connects with Perth.

Esperanza, see Porto Esperanza.

Espevaer, Norway: 59.35 N. 5.10 E. 10

Espiritu Santo, Is., Vanuatu 48

Espoir Terminal, Ivory Coast: 5.04 N. 4.26 W. 27
Max. Size: LOA 925 ft., no draft limit. *Fuel:* Not available.

Esquimalt, British Columbia, Canada: 48.25 N. 123.25 W. . . . 56
Dry Dock: Length 1,173 ft., breadth 125.6 ft., depth 49.5 ft.
Also see Victoria.

Esquivel, see Port Esquivel.

Essaoira, Morocco: 31.30 N. 9.47 W. 27

Essequibo River, Guyana 69, 74
Max. Size: Draft 3 ft. less than that predicted for the Demerara Bar. See also Bartica, Mazaruni.

Essex, Connecticut, U.S.A.: 41.21 N. 72.23 W. 63

Estaque, see Marseilles.

Estepona, Spain: 36.25 N. 5.08 W. 22

Estonia, U.S.S.R. 10

Etajima, Japan: 34.11 N. 132.29 E. 44
Max. Size: 120,000 d.w.t. (part load), LOA 273 m., draft 14 m.
Fuel: Available. *Dry Dock:* Lifting capacity 500,000 tons.

Etal, see Nomoi Is.

Etang de Berre, see Berre.

Etaples, France: 50.30 N. 1.40 E. 7

Eten, Peru: 6.56 S. 79.52 W. 72
Port closed.

ETHIOPIA 31, 32

Etienne, see Nouadhibou.

Etolin Strait, Alaska, U.S.A. 54

Eu, France: 50.03 N. 1.25 E. 7

Eua Is., Tonga: 21.22 S. 174.56 W. 48

Euboea, Greece: 38.45 N. 23.00 E. 24, 25

Eucla, W.A., Australia: 31.45 S. 128.54 E. 49

Eupatoria, see Yevpatoriya.

Eureka, California, U.S.A.: 40.48 N. 124.10 W. 55, 56, 57
Max. Size: LOA 740 ft., beam 115 ft., draft 35 ft.
Fuel: Not available unless emergency. *Dry Docks:* None.
Airport: 20 miles, connects with San Francisco and Portland.

Europa Is., Reunion, (France): 22.21 S. 40.33 E. 30

Europa Point, Gibraltar: 36.06 N. 05.20 W. 22

Europoort, Netherlands: 51.58 N. 4.08 E. 7, 8
Max. Size: Draft 74 ft. See also Rotterdam.

Everett, Massachusetts, see Boston.

Everett, Washington, U.S.A.: 47.59 N. 122.13 W. 55, 56
Max. Size: Depth 40 ft. *Fuel:* Available.
Airport: Seattle-Tacoma, 45 miles.

Everglades, see Port Everglades.

Everton, see New Amsterdam.

Evripos Strait, Greece 25

Excursion Inlet, Alaska, U.S.A.: 58.25 N. 135.27 W. 56

Exeter, U.K.: 50.45 N. 3.30 W. 5

Exmouth, W.A., Australia: 22.20 S. 114.10 E. 49
Max. Size: Depth 12 m. *Fuel:* Limited, quantities of gas oil.

Exmouth, U.K.: 50.37 N. 3.25 W. 7

Exumas Islands, Bahamas 69

Eyemouth, U.K.: 55.53 N. 2.05 W. 5

Eyrarbakki, Iceland: 63.52 N. 21.09 W. 17
(incl. Stokkseyri: 63.50 N. 21.05 W.)

Eyre, W.A., Australia: 32.10 S. 126.25 E. 49

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F

Faborg, Denmark: 55.05 N. 10.15 E. 11
Faddiffolu Atoll, Maldives 37
Faeringehavn, Greenland, (Denmark): 63.41 N. 51.34 W. 19
Max. Size: Oil-carriers 26,000 d.w.t., draft 40 ft. Cargo-ships 20 ft.
Fuel: Available. *Airport:* Nuuk, 35 miles.
Fagerstrand, Norway: 59.44 N. 10.36 W. 10
Max. Size: Tankers: Draft 38 ft. See also Oslo.
Fagervik, see Vistarvarv.
Fagerviken, see Karlholm.
Fahaheel, see Mina al Ahmadi.
Faial Is., Azores, (Portugal) 20
Failaka Is., Kuwait: 29.27 N. 48.21 E. 35
Fair Haven, New York, U.S.A.: 43.20 N. 76.42 W. 62
Fair Isle, U.K.: 59.30 N.1.40 W. 5
Fairport, Ohio, U.S.A.: 41.45 N. 81.17 W. 62
Fairy, see Port Fairy.
Fais, Caroline Is., Micronesia: 9.45 N. 140.31 E. 45
Fajardo, Puerto Rico: 18.20 N. 65.38 W. 69, 71
Fakaofo Is., Tokelau Is., (New Zealand): 9.28 S. 171.03 W. . . . 48
Fakfak, Indonesia: 2.56 S. 132.17 E. 45
Fakse Ladeplads, Denmark: 55.13 N. 12.10 E. 10, 11
Falconara, Italy: 43.39 N. 13.25 E. 24
Max. Size: See Ancona.
Falkenberg, Sweden: 56.54 N. 12.30 E. 9, 10, 11
Falkland Dependencies, see South Georgia.
FALKLAND ISLANDS, (U.K.) 51, 68, 72
Fall River, Massachusetts, U.S.A.: 41.42 N. 71.10 W. . . . 55, 60, 63
Max. Size: Depth of 35 ft. MLW alongside. Tankers: Depth 35 ft.
Falmouth, Jamaica: 18.29 N. 77.38 W. 69
Falmouth, U.K.: 50.09 N. 5.04 W. 5, 19
Max. Size: Draft 8.85 m., LOA 920 ft. Tankers: Draft 27 ft.
Fuel: All grades of fuel oil and diesel oil.
Airport: London (Heathrow and Gatwick) 5.5 hours, Bristol 28 miles. *Dry Docks:* Length 850 ft. (259 m.), width 130 ft. (39.6 m.), depth on sill (HWOST) 11 m.
Falmouth, Massachusetts, U.S.A.: 41.33 N. 70.37 W. 63
Falster Is., Denmark 9, 10, 11
Falsterbo, Sweden: 55.25 N. 12.50 E. 10, 11
Famagusta, Cyprus: 35.07 N. 33.57 E. 21, 26
Max. Size: LOA 220 m. (722 ft.), draft 9.15 m. (30 ft.).
Fuel: Limited to lorry delivery. *Airport:* Ercan, 30 miles.
Fangataufa Is., Tuamotu Arch., French Polynesia: 22.09 S. 138.40 W. 48
Fangcheng, China: 21.45 N. 108.21 E. 38
Max. Size: Draft 9.5 m. *Fuel:* Available.
Airport: Nanning, 180 km.
Fanning Is., Kiribati: 3.51 N. 159.22 W. 48
Fano, Italy: 43.51 N. 13.00 E. 24
Fano I., North Frisian Is., Germany 10
Fao, Iraq: 29.58 N. 48.29 E. 35
Max. Size: Tankers: LOA 675 ft., draft 35 ft. (10.65 m.).
Farafangana, Madagascar: 22.50 S. 47.50 E. 30
Farallon de Medinilla, Northern Mariana Is.: 16.02 N. 146.06 E. 45
Farallon de Pajaros, Northern Mariana Is.: 20.32 N. 144.54 E. . 45
Farasan Is., Saudi Arabia: 16.40 N. 41.50 E. 32
Faraulep, Caroline Is., Micronesia: 7.37 N. 144.32 E. 45
Fare, Society Is., French Polynesia: 16.43 S. 151.02 W. 48
Fareham, U.K.: 50.50 N. 1.10 W. 7
Farge, Germany: 53.12 N. 8.31 E 10
Max. Size: Draft 29 ft. 11 in. See also Bremen.
Faridpur, Bangladesh: 23.35 N. 89.55 E. 37
Farilhoes Is., Portugal: 39.28 N. 9.30 W. 20
Farjsundet, see Mariehamn.
Farmsum, see Groningen.
Farne Is., U.K.: 55.32 N. 1.28 W. 5
Farnes, Norway: 61.20 N. 7.45 E. 15
Faro, Portugal: 37.02 N. 7.55 W. 20, 22
Faro Is., Sweden 10
FAROE ISLANDS, DENMARK 17
Farosund, Gotland Is., Sweden: 57.52 N. 19.04 E. 10
Farrur Is., Iran: 26.18 N. 54.31 E. 35
Farsund, Norway: 58.05 N. 6.49 E. 10
Faslane, U.K.: 56.04 N. 4.49 W. 5
(incl. Garelochead: 56.05 N. 4.50 W.)
Fassett, Ontario, Canada: 45.39 N. 74.52 W. 61
Fastnet Rock, Eire: 51.22 N. 9.37 W. 5
Fateh Terminal, U.A.E.: 25.35 N. 54.25 E. 35
Max. Size: Max. displacement 350,000 tons, no draft restriction. *Fuel:* Obtainable at Jebel Ali.
Father Point, Quebec, Canada: 48.31 N. 68.28 W. 60
Fatik, Senegal: 14.20 N. 16.27 E. 27
Fatma, see Mersa Fatma.
Fatsa, Turkey: 41.03 N. 37.30 E. 26
Fatu Iva, Marquesas Is., French Polynesia: 10.30 S. 138.38 W. 48
Fauske, Norway: 67.15 N. 15.22 E. 15
Faux Cap, Madagascar: 25.30 S. 45.30 E. 30
Faversham, U.K.: 51.19 N. 00.54 E. 5, 7
Max. Size: LOA 43 m., beam 7.6 m., draft 2.7 m. on Spring tides. *Fuel:* By road tanker.
Favignana Is., Italy: 37.56 N. 12.20 E. 24
Fawley, U.K.: 50.51 N. 1.21 W. 7
Max. Size: Partly loaded VLCC's up to 14.9 m. draft.
Fuel: All grades. *Airport:* Southampton.
Fayal, see Horta.
Fecamp, France: 49.46 N. 00.22 E. 7, 8
Max. Size: Spring Tides: LOA 105 m., beam 17 m., draft 7.25 m.
Fuel: Only by lorries. *Airport:* Paris.
Fedahlah, see Mohammedia.
Fedchem, see Point Lisas.
Fehmarn Belt 10, 11
Fehmarn Is., Germany 11
Felixstowe, U.K.: 51.57 N. 1.21 E. 5, 7
Max. Size: Container Terminal: Depth: 13.4 m.
Roll-on/Roll-off vessels: 184.6 m. LOA, depth 7.3 m. LWOST.
Tankers: LOA 180 m., draft 9.1 m. LWOST.
Fuel: Marine diesel and gas oil. *Airport:* Southend 70 miles; London-Heathrow 90 miles.
Felton, see Antilla.
Fenerive, Madagascar: 17.23 N. 49.25 E. 30
Fenit, Eire: 52.17 N. 9.53 W. 5
Max. Size: LOA 400 ft., draft 20 ft. Tankers: Draft 18 ft.
Fuel: Available. *Airport:* Local, 15 miles.
Fercom Terminal, Turkey: 40.46 N. 29.33 E. 25
Max. Size: LOA 210 m., draft 16.0 m.
Ferguson Is., Papua New Guinea: 9.20 S. 150.40 E. 45
Fernandina Beach, Florida, U.S.A.: 30.42 N. 81.28 W. 66
Fernandina Is., (Galapagos Islands), Equador: 0.24 S. 91.30 W. 72
Fernando Noronha Is., Brazil: 3.48 S. 32.23 W. 72
Fernando Poo, see Bioco Is.
Ferndale, Washington, U.S.A.: 48.49 N. 122.43 W. 55, 56
Max. Size: Tankers: LOA 1,000 ft., depth alongside 40 ft. at MLW.
Ferrol, Spain: 43.28 N. 8.16 W. 20, 21
Max. Size: Cargo vessels up to 32 ft. draft.
Tankers up to 35 ft. draft. *Fuel:* All grades available.
Dry Docks: Largest 330 m. × 50 m. (230,000 g.r.t.)
Airport: Connects with Madrid.
Ferryland, Newfoundland, Canada: 47.01 N. 52.52 W. 60
Fethiye, Turkey: 36.38 N. 29.10 E. 25, 26
Fetlar, U.K.: 60.35 N. 00.50 W. 5
Fiborgtangen, Norway: 63.43 N. 11.10 E. 15
Max. Size: LOA 215 m., draft 10.4 m.
Fuel: Only if ordered from Trondheim. *Airport:* Trondheim.
Figeholm, Sweden: 57.22 N. 16.33 E. 10
Figueira Da Foz, Portugal: 40.09 N. 8.52 W. 20
Max. Size: Draft 14 ft., LOA 90 m. *Fuel:* Only diesel.
Dry Docks: Slipway – 4,000 tons.
FIJI 48
Filiatra, Greece: 37.10 N. 21.35 E. 24, 25
Filicudi Is., Italy: 38.35 N. 14.33 E. 24
Finike, Turkey: 36.16 N. 30.13 E. 25, 26
Max. Size: Depth 4.5 m. – 5.5 m. *Airport:* Antalya 280 km.
FINLAND 9, 10, 13, 15
Finnart, U.K.: 56.07 N. 4.50 W. 5
Max. Size: Tankers: 300,000 d.w.t. draft 75 ft. *Fuel:* All grades.
Airport: Glasgow.
Finnsnes, Norway: 69.14 N. 17.59 E. 9, 15
Finschhaven, Papua New Guinea: 6.33 S. 147.51 E. 45
Firth of Clyde, U.K. 5
Firth of Forth, U.K. 5, 6
Firth of Lorn, U.K. 5
Firth of Tay, U.K. 5
Fischerhutte, Germany: 54.09 N. 9.22 W. 12
Max. Size: See Kiel.
Fisher Strait, N.W. Territories, Canada 59
Fisherman Islands, see Brisbane.
Fishguard, U.K.: 52.01 N. 4.58 W. 5
Max. Size: Draft 18 ft. *Fuel:* Available.
Airport: Cardiff, Swansea and Haverfordwest.
Fiskenaesset, Greenland, (Denmark): 63.05 N. 50.41 W. 17
Fitzwilliam Is., Ontario, Canada: 45.30 N. 81.45 W. 62
Fiume, see Rijeka.
Fiumicino, Italy: 41.46 N. 12.13 E. 24
Max. Size: Up to 290,000 d.w.t., draft 50 ft.
Fuel: Not available. *Airport:* International.
Fjallbacka, Sweden: 58.36 N. 11.17 E. 10
Flamborough Head, U.K.: 54.08 N. 0.04 W. 5
Flateyri, Iceland: 66.03 N. 23.30 W. 17
(Incl. Svdeyri: 66.08 N. 23.32 W.)
Flaxenvik, Sweden: 59.28 N. 18.25 E. 10
Max. Size: Draft 10.3 m. Also see Stockholm.

Fleetwood, U.K.: 53.55 N. 3.00 W. 5
Max. Size: LOA 107 m., beam 14.1 m. *Fuel:* All grades. *Airport:* Blackpool, 10 miles.
Flekkefjord, Norway: 58.18 N. 6.40 E. 10
Flemhude, Germany: 54.19 N. 9.58 W 12
Flensburg, Germany: 54.48 N. 9.26 E. 9, 10, 11
Max. Size: Draft 7 m. Tankers: 1,000 g.r.t., depth 5.7 m. *Fuel:* Diesel available in any quantity. Fuel oil subject to 5 hours advance notice. *Dry Docks:* Floating dock: 7,500 tons lifting capacity. *Airport:* Hamburg-Fuhlsbuttel, 175 km.
Fleur de Lys, Newfoundland, Canada: 50.06 N. 56.07 W. 60
Flinders, Victoria, Australia, see Western Port.
Flinders Is., Tasmania, Australia 49
Flint, U.K.: 53.15 N. 3.07 W. 5
Flint Is., Kiribati: 11.26 S. 151.48 W. 48
Flores Is., Azores, (Portugal) 20
Flores Is., Indonesia 45
Flores Sea 45
Florianapolis, Brazil: 27.36 S. 48.33 W. 72
Florida, U.S.A. 66, 69
Florida Keys 66, 69
Florida Strait, Florida, U.S.A. 66, 69
Floro, Norway: 61.31 N. 5.02 E. 15
Max. Size: Draft 25 ft. Fugleskjaerskaia: Depth 43 ft. Botnaneset: Depth 19 m. *Fuel:* Aavailable. *Dry Docks:* None. *Airport:* Local, connects Oslo.
Flotta, U.K.: 58.53 N. 3.05 W. 5
Flowers Cove, Newfoundland, Canada: 51.16 N. 56.45 W. 60
Flushing, Netherlands: 51.27 N. 3.35 E. 7, 8
Max. Size: Total: LOA 280 m., draft 49 ft. (S.W.), 100,000 d.w.t. East Harbour: Depth 13.3 m. Outer Harbour: Draft 9.5 m. Inner Docks: Depth 24 ft. Total: Draft 15.0 m. *Fuel:* All grades obtainable. *Dry Docks:* 90,000 d.w.t. *Airport:* Rotterdam, 125 km.
Flying Fish Cove, see Christmas I. (Indian Ocean).
Foca, Turkey: 38.45 N. 26.55 E. 25, 26
Max. Size: See Nemrut Bay.
Foglo, Finland: 60.00 N. 20.25 E. 10
Fogo, Newfoundland, Canada: 49.43 N. 54.16 W. 60
Fogo Is., Cape Verde 27
Fohr I., North Frisian Is., Germany 10
Folegandros Island, Greece: 36.40 N. 24.58 W. 25
Folkestone, U.K.: 51.05 N. 1.10 E. 5, 7
Follonica, Italy: 42.55 N. 10.45 E. 24
Fomboni, Comoros.: 12.15 S. 43.45 E. 30
Fond Du Lac, Wisconsin, U.S.A.: 43.45 N. 88.25 W. 62
Fongafale, see Funafuti.
Fonte Boa, Brazil: 2.32 S. 66.00 W. 72
Foochou, see Fuzhou.
Forcados, Nigeria: 5.22 N. 5.26 E. 27, 28
Forcados Terminal, Nigeria: 5.10 N. 5.10 E. 27, 28
Max. Size: 320,000 d.w.t. or draft 65 ft. *Fuel:* Not available.
Forestville, Quebec, Canada: 48.45 N. 69.04 W. 60
Forio, Ischia Is., Italy: 40.44 N. 13.52 E. 24
Formentera Is., Spain: 38.40 N. 1.30 E. 22
Formia, Italy: 41.15 N. 13.37 E. 24
Formigas Is., Azores, (Portugal): 37.17 N. 24.50 W. 20
Formosa, Argentina: 26.12 S. 58.11 W. 72
Formosa Is., see Taiwan.
Formosa Strait 41, 45
Fornells, (Minorca), Spain: 40.05 N. 4.07 E. 22
Forno, Brazil: 22.54 S. 43.10 W. 72
Max. Size: Bar depth 12 m. Depths alongside up to 10 m., 30,000 d.w.t. *Fuel:* Available by road tanker.
Forsmark, Sweden: 60.23 N. 18.11 E. 10
Fort Albany, Ontario, Canada: 52.15 N. 81.37 W. 59
Fort Augustus, U.K.: 57.10 N. 4.40 W. 5
Max. Size: See Caledonian Canal.
Fort Bragg, California, U.S.A.: 39.27 N. 123.49 W. 57
Fort Chimo, Quebec, Canada: 58.06 N. 68.22 W. 59
Fort Dauphin, Madagascar: 25.02 S. 47.02 E. 30
Max. Size: Anchorage depth 8 m. *Fuel:* Not available. *Airport:* 5 km.
Fort De France, Martinique, (France): 14.36 N. 61.04 W. 69, 71
Max. Size: LOA 250 m. if vessel has two propellers and bow-thruster, otherwise 180 m. Draft 10 m. Tankers: LOA 300 m., 120,000 tonnes displacement. *Fuel:* All grades. *Dry Docks:* 200 m. length, 21 m. wide. *Airport:* 7 miles.
Fort Denison, see Sydney, Australia.
Fort George, Quebec, Canada: 53.50 N. 79.00 W. 59
Fort Lauderdale, Florida, U.S.A.: 27.27 N. 80.07 W. 66, 69
Fort Liberte, Haiti: 19.41 N. 71.51 W. 69
Fort Mifflin, see Philadelphia.
Fort Myers, Florida, U.S.A.: 26.39 N. 81.51 W. 66, 69
Fort Pierce, Florida, U.S.A.: 27.27 N. 80.19 W. 55, 66, 69
Max. Size: Draft 25 ft. (HW). *Fuel:* By barge. *Airport:* International, 2 hours by car.
Fort Randal, Alaska, U.S.A.: 55.00 N. 163.00 W. 54
Fort Rupert, Quebec, Canada: 51.28 N. 78.43 W. 59
Fort Severn, Ontario, Canada: 56.05 N. 87.45 W. 59
Fort William, Canada, see Thunder Bay.
Fort William, U.K.: 56.48 N. 5.10 W. 5
Max. Size: See Corpach, Caledonian Canal.
Fortaleza, Brazil: 3.41 S. 38.33 W. 72
(Incl. Mucuripe: 3.42 S. 38.29 W.)
Max. Size: Up to 27 ft. draft. *Fuel:* Boiler fuel. Diesel oil by road tanker. *Airport:* Internal.
Fortune, Newfoundland, Canada: 47.03 N. 55.50 W. 60
Fortune Harbour, Newfoundland, Canada: 49.33 N. 55.14 W. 60
Fos, France: 43.24 N. 4.53 E. 22, 23
Max. Size: Draft 22.25 m. (oil jetty). *Fuel:* Barge only. *Airport:* Marseilles, 60 km.
Also see Port de Bouc, Marseilles.
Fosdyke, U.K.: 52.52 N. 0.02 W. 5
Max. Size: LOA 58 m., draft 5.0 m. (Spring tide).
Fosnavag, Norway: 62.21 N. 5.37 E. 15
Fouad, see Port Fouad.
Foula, U.K. see Ham.
Foulness Point, U.K.: 51.37 N. 0.57 E. 7
Foulpointe, Madagascar: 17.40 S. 49.32 E. 30
Foundiougne, Senegal: 14.08 N. 16.28 W. 27
Fouras, France: 46.00 N. 1.05 W. 19
Fournoi, Fournoi Is., Greece: 37.36 N. 26.31 E. 25
Foveaux Strait, New Zealand 52
Fowey, U.K.: 50.20 N. 4.39 W. 5, 19
Max. Size: LOA 540 ft., beam 60 ft. Draft 28 ft. (HW). *Fuel:* Gas oil only.
Fowlers Bay, S.A., Australia: 32.00 S. 132.30 E. 49
Fox Is., (Aleutian Islands), Alaska, U.S.A. 54
Fox River, Quebec, Canada: 49.00 N. 64.23 W. 60
Foxe Basin, N.W. Territories, Canada 59
Foxe Channel, N.W. Territories, Canada 59
Foxi, see Porto Sarroch.
Foynes, Eire: 52.36 N. 9.06 W. 5
Max. Size: LOA 190 m., beam 30 m., draft 10.5 m. *Fuel:* Available. *Airport:* Shannon, 34 miles.
Foynes Is., Eire: 52.37 N. 9.07 W. 5
Max. Size: LOA 950 ft., min. depth 50 ft. *Fuel:* Not available.
Foz, Spain: 43.34 N. 7.18 W. 20
Foz Do Cunene, Angola: 17.20 S. 11.50 E. 29
Frafjord, Norway: 58.51 N. 6.17 E. 10
Max. Size: LOA 95 m., draft 18 ft.
FRANCE 7, 19, 21, 22, 24
Francois, Newfoundland, Canada: 47.35 N. 56.44 W. 60
Frankfort, Michigan, U.S.A.: 44.38 N. 86.14 W. 42
Frano, see Gustafvik.
Fraser Is., Queensland, Australia: 25.15 S. 153.10 E. 49
Fraser Mills, see Fraser Port.
Fraser Port, British Columbia, Canada: 49.12 N. 122.55 W. 56
Max. Size: Draft 35 ft. on 13 ft. tide. *Fuel:* All grades available. *Airport:* Vancouver.
Fraserburgh, U.K.: 57.41 N. 2.00 W. 5
Fray Bentos, Uruguay: 33.06 S. 58.18 W. 72, 75
Max. Size: Draft 26 ft. (FW). *Fuel:* Not available. *Airport:* Nearest Montevideo.
Fredericia, Denmark: 55.33 N. 9.45 E. 10, 11
Max. Size: Draft 14.7 m. Tankers: Draft 13 m. *Fuel:* Available. *Dry Docks:* Length 354 ft., breadth 72 ft. Max. depth at Dock gate 16 ft. 6 in. *Airport:* Beldringe, 35 miles.
Fredericksburg, Virginia, U.S.A.: 38.17 N. 77.28 W. 63
Frederikshab, see Paamiut.
Fredrikshamn, see Hamina.
Frederikshavn, Denmark: 57.28 N. 10.33 E. 10, 11
Max. Size: LOA 200 m., depth 8 m. *Fuel:* All grades. *Dry Docks:* Length 212 m., breadth 32.2 m. and depth 7 m. *Airport:* Aalborg Airport 60 km., connects with Copenhagen.
Frederikssund, Denmark: 55.50 N. 12.05 E. 11
Frederiksted, St. Croix, Virgin Is., (U.S.A.):
17.43 N. 64.53 W. 69, 71
Max. Size: LOA 600 ft., forward draft 25 ft. *Airport:* 8.5 miles.
Frederiksvaerk, Denmark: 55.58 N. 12.01 E 11
Fredriksskans, see Gavle.
Fredrikstad, Norway: 59.12 N. 10.57 E. 8, 9, 10
Max. Size: Draft 34 ft. *Fuel:* All grades available. *Dry Docks:* 945 ft. length, 126 ft. breadth, 25 ft. draft when docking. *Airport:* Fornebo, Oslo, 110 km.
Freemason Is., Louisiana, U.S.A.: 29.49 N. 88.59 W. 67
Freeport, Grand Bahama, Bahamas: 26.31 N. 78.46 W. 66, 69
Max. Size: Depth 32 ft. Tankers: Up to 500,000 tons. Ro-Ro Berth: Depth 28 ft. *Fuel:* All grades available. *Airport:* 6 miles.
Freeport, Bermuda, (U.K.): 32.19 N. 64.50 W. 63
Max. Size: Draft 32 ft., incl. tankers. *Fuel:* Available. *Dry Docks:* None. *Airport:* See Hamilton.
Freeport, Maine, U.S.A.: 43.50 N. 70.05 W. 60

Freeport, Texas, U.S.A.: 28.57 N. 95.21 W. 66
Max. Size: LOA 670 ft., draft 36 ft. *Fuel:* All grades by barge from Houston. *Dry Docks:* None. *Airport:* Houston, 80 miles.
Freetown, Sierra Leone: 8.30 N. 13.14 W. 27, 29
Max. Size: Draft 48 ft. (HW) *Fuel:* Available. *Airport:* Lungi Airport, 1 hour journey.
Fremantle, W.A., Australia: 32.03 S. 115.44 E. 49
Max. Size: Outer Harbour: Up to 41 ft. 6 in. (12.6 m.) draft. Inner Harbour: Up to 12.5 m. draft. Tankers: See Kwinana. *Fuel:* Marine fuel (2 grades); Marine diesel. *Dry Docks:* 3 Shiplifters, 7,520, 2,600 and 1,100 tonnes available. *Airport:* 17 miles. (23 km.) to Perth.
FRENCH ANTILLES 69
French Frigate Shoal: 23.50 N. 166.10 W. 48
FRENCH GUYANA, see Guyane.
FRENCH POLYNESIA 48
Frenchman's Bay, see Albany.
Friday Harbour, Washington, U.S.A.: 48.32 N. 123.01 W. 56
Friendly Islands 48
Frisian Islands, Netherlands: 53.00 N. 5.00 E. 10
Frobisher, see Iqaluit.
Frobisher Bay, N.W. Territories, Canada 59
Froland, see Uddevalla.
Frontera, Mexico: 18.35 N. 92.40 W. 69
Frontignan, see Sete.
Fu Chou, see Fuzhou.
Fudai, Japan: 40.00 N. 142.00 E. 42
Fuengirola, Spain: 36.32 N. 4.38 W. 22
Fuerteventura Is., Canary Islands, (Spain) 27
Fuglefjord, Faeroe Is., (Denmark): 62.15 N. 6.48 E. 5
Fuikbay, (Curacao), Netherlands Antilles: 12.03 N. 68.50 W. . . 73
Max. Size: Draft 24 ft., LOA 360 ft. *Fuel:* No bunker facilities.
Fujairah, U.A.E.: 25.10 N. 56.21 E. 31, 35
Max. Size: LOA 275 m., draft 12.5 m. *Fuel:* Available. *Dry Docks:* None. *Airport:* Fujairah, or Dubai or Sharjah – 1.5 hours by car.
Fukue, Japan: 32.42 N. 128.51 E. 44
Fukuma, Japan: 33.42 N. 130.27 E. 44
Fukuoka, see Hakata.
Fukura, Japan: 34.15 N. 134.42 E. 44
Fukuyama, Japan: 34.29 N. 133.26 E. 42, 44
Max. Size: LOA 350 m., draft 16 m. *Fuel:* Bunkers by lighter from Kobe, Mizushima, Tokuyama or Moji area. *Dry Docks:* Nearest at Innoshima or Mukayima. *Airport:* Okayama 70 km.
Fulford Harbour, British Columbia, Canada: 48.46 N. 123.26 W. 56
Funabashi, see Katunan.
Funafuti, Tuvalu: 8.31 S. 179.13 W. 48
Max. Size: Te Puapua Passage: Depth 15 m., 250 ft. wide (LW), depth alongside 8 m. *Fuel:* Light diesel only. *Airport:* Connects Fiji and Kiribati.
Funakawa, Japan: 39.53 N. 139.51 E. 42
Max. Size: Draft 8.5 m., 15,000 tons.
Funchal, Madeira, (Portugal): 32.38 N. 16.55 W. 27
Max. Size: LOA 990 ft., draft 36 ft. *Fuel:* All grades available. *Dry Docks:* None. *Airport:* Santa Cruz 20 km., flights to Lisbon.
Funen Is., Denmark 10, 11
Funivie, see Savona.
Funter, Alaska, U.S.A.: 58.15 N. 134.54 W. 56
Furneaux Group, Tasmania, Australia 49
Furuogrund, Sweden: 64.55 N. 21.14 E. 15
Furusund, Sweden,: 59.04 N. 18.56 E. 10
Fushiki, Japan: 36.49 N. 137.03 E. 42
Max. Size: LOA 180 m., draft 31 ft. *Fuel:* All grades of bonded bunkers are stocked in Tokyo Bay, Ise Bay, Osaka Bay and Kanmon Port. *Dry Docks:* Nearest Toyama. *Airport:* Toyama, 35 km.
Futuna Is., French Polynesia: 14.17 S. 176.09 W. 48
Fuzhou, China: 26.05 N. 119.19 E. 41, 45
Max. Size: Draft 8.5 m., 10,000 g.r.t. *Fuel:* All grades.
Fyn, see Funen Is.

NOTES, ADDITIONS, CORRECTIONS

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Gabes, Tunisia: 33.57 N. 10.04 E. 24
Max. Size: Draft: 39 ft. (11.86 m.). *Fuel:* Not available.
GABON 28, 29
Gaboto, Argentina: 32.22 S. 60.50 W. 75
Gaeta, Italy: 41.13 N. 13.35 E. 24
Max. Size: Draft 22 ft. Tankers: AGIP – Draft 48 ft. SIOG Sea Berth – 260,000 d.w.t., draft 20.3 m. *Fuel:* Bunker "C" and Gas oil at Oil Jetty; dry cargo only by road tanker. Bunkers not available at Sea Berth. *Dry Docks:* For vessels 70 m. length. *Airport:* Naples, 96 km. and Rome, 135 km.
Gaferut Is., Caroline Is., Micronesia: 9.14 N. 145.22 E. 45
Gagra, U.S.S.R.: 43.20 N. 40.14 E. 26
Gaillard Cut, Panama Canal 33
Gainsborough, U.K.: 53.24 N. 0.47 W. 5
Gairloch, U.K.: 57.43 N. 5.41 W. 5
Galapagos Islands, (Ecuador) 69, 72
Galata, see Istanbul.
Galati, Romania: 45.25 N. 28.05 E. 21, 26
Max. Size: Max. permissible draft on the River Danube is 23 ft. for vessels up to 180 m. LOA. *Airport:* See Tulcea.
Galatz, see Galati.
Galaxidhion, Greece: 38.23 N. 22.23 E. 25
Galela, Indonesia: 1.50 N. 127.50 E. 45
Galena Park, see Houston.
Galeota Point, Trinidad: 10.05 N. 61.01 W. 69, 71, 74
Max. Size: 250,000 d.w.t. Depth 95 ft. *Fuel:* By barge from Port of Spain.
Galite Is., Tunisia: 37.31 N. 8.57 E 24
Galle, Sri Lanka: 6.01 N. 80.14 E. 37
Max. Size: LOA 475 ft., draft 23 ft. in N.E. monsoon; LOA 450 ft., draft 21 ft. in S.W. monsoon. *Fuel:* Available. *Airport:* Colombo.
Gallipoli, Italy: 40.05 N. 18.00 E. 24
Gallipoli, Turkey: 40.25 N. 26.39 E. 25, 26
Galvan, see Bahia Blanca.
Galveston, Texas, U.S.A.: 29.17 N. 94.50 W. 55, 66
Max. Size: Depth alongside 40 ft. *Fuel:* All grades available by barge from Houston. *Dry Docks:* 1×40,000 tons.
Galway, Eire: 53.16 N. 9.03 W. 5
Max. Size: Depth on sill of 28 ft. at springs and 24 ft. at neaps. *Fuel:* All grades available. *Airport:* Shannon, 55 miles.
Galway Bay, Eire 5
Gamagori, Japan: 34.48 N. 137.14 E. 42
Max. Size: Draft 10 m.
Gamba, Gabon: 2.50 S. 9.59 E. 29
Max. Size: Draft 17.25 m., 150,000 d.w.t. *Fuel:* Not available. *Airport:* Local to Port Gentil.
Gambell, Alaska, U.S.A.: 63.69 N. 171.41 W. 54
GAMBIA, THE 27
Gambier Is., French Polynesia 48
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Gambo, Newfoundland, Canada: 48.46 N. 54.12 W. 60
Gamboa, Panama: 9.07 N. 79.42 W. 70
Gamleby, Sweden: 57.54 N. 16.25 W. 10
Gamvik, Norway: 71.00 N. 28.10 E. 15
Gan Is., Addu Atoll, Maldives: 0.41 S. 73.10 E. 37
Gananoque, Ontario, Canada: 44.20 N. 76.10 W. 62
Ganaveh, Iran: 29.34 N. 50.31 E. 35
Gandia, Spain: 38.59 N. 00.09 W. 22
Max. Size: Depth 6 m. – 7 m. *Airport:* Valencia, 70 km.
Ganges, British Columbia, Canada: 48.51 N. 123.29 W. 56
Ganges Delta 37, 38
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Gardiner, Oregon, U.S.A.: 43.43 N. 124.07 W. 57
Gardner Is., Phoenix Is., Kiribati: 4.41 S. 174.34 W. 48
Garelochead, see Faslane.
Gargantua, Ontario, Canada: 47.34 N. 84.58 W. 62
Garibaldi, see Porto Garibaldi.
Garlieston, U.K.: 54.48 N. 4.22 W. 5
Garoua, Cameroon: 9.18 N. 13.21 E. 29
Garrucha, Spain: 37.10 N. 1.49 W. 22
Max. Size: Draft 8.5 m.
Garston, U.K.: 53.21 N. 2.54 W. 5
Max. Size: LOA 500 ft., beam 63 ft., draft 27 ft. *Airport:* Liverpool, 1 mile.
Gary, Indiana, U.S.A.: 41.35 N. 87.20 W. 62
Gasan, Marinduque Is., Philippines: 13.,20 N. 121.51 E. . . . 46
Gashaga, see Stockholm.
Gasmata, Papua New Guinea: 6.19 S. 150.18 E. 45
Gaspe, Quebec, Canada: 48.50 N. 64.29 W. 60
Max. Size: LOA 650 ft., depth 35 ft. (LW). *Fuel:* Light and medium diesel available. Bunker fuel by truck. *Airport:* 7 miles, connects with Quebec and Montreal.
Gastgivarchagen, see Norrkoping.

Gastria Bay, see Kalecik.
Gateshead, U.K.: 54.58 N. 1.35 W. 5, 6
Max. Size: See Newcastle/Tyne District.
Gatineau, Quebec, Canada: 45.29 N. 75.40 W. 61
Gatun, Panama: 9.16 N. 79.55 W. 70
Gatun Dam, Panama 70
Gatun Lake, Panama 70
Gatun Locks, Panama Canal 70
Gaultois, Newfoundland, Canada: 47.36 N. 55.55 W. 60
Gavater, Iran: 25.10 N. 61.28 E. 31
Gavdhos Is., Greece: 34.40 N. 24.10 E. 25, 26
Gaviota, California, U.S.A.: 34.28 N. 120.12 W. 57
Gavle, Sweden: 60.41 N. 17.11 E. 9, 10
Max. Size: Draft 9 m. Tankers: Draft 10.5 m. *Fuel:* All grades.
Airport: Stockholm 145 km., Rorberg 16 km.
Gavrilovo, U.S.S.R.: 69.10 N. 35.51 E. 16
Gavrion, Greece: 37.53 N. 24.44 E. 25
Gaza, Egypt: 31.28 N. 34.28 E. 26, 32
Gazenica, see Zadar.
Gdansk, Poland: 54.21 N. 18.39 E. 9, 10
Max. Size: Draft 10.2 m., LOA 220 m. Tankers: Draft 15 m. Coal: Draft 15 m. *Fuel:* All grades. *Dry Docks:* Lifting capacities up to 11,000 tons. *Airport:* Gdansk, connects with Warsaw.
Gdynia, Poland: 54.32 N. 18.34 E. 9, 10
Max. Size: Draft 12 m. *Fuel:* All grades.
Dry Docks: Up to 4,500 tons lifting capacity.
Airport: Gdansk, 35 km.
Gebe Island, Indonesia: 00.03 S. 129.23 E. 45
Max. Size: (Anchorage) Depth 65 m. *Fuel:* Not available.
Airport: Flights 3 times weekly between Ternate and Gebe.
Gebze, Turkey: 40.46 N. 29.27 E. 26
Gedser, Denmark: 54.34 N. 11.56 E. 10, 11
Max. Size: Depth 6.2 m. (20.3 ft.). *Airport:* Copenhagen.
Geelong, Victoria, Australia: 38.09 S. 144.22 E. 49, 50
Max. Size: LOA 200 m., beam 45 m., depth 9.7 m. – 11 m. Tankers: LOA 265 m., draft 34 ft. 6 in. (10.5 m.).
Fuel: All grades. *Dry Docks:* Slipway – 1,000 tons.
Airport: Melbourne, 50 miles.
Gefle, see Gavle.
Geismar, Louisiana, U.S.A.: 30.13 N. 91.01 W. 55, 67
Max. Size: Depth 32 ft.. *Fuel:* Not available.
Geisum Marine Terminal, Egypt: 27.38 N. 33.43 E. 32
Max. Size: LOA 270 m., 150,000 d.w.t. No beam or draft restriction. *Fuel:* Not available.
Gela, (Sicily), Italy: 37.04 N. 14.15 E. 24
Max. Size: Tankers up to 80,000 g.r.t., with a draft of 42 ft. Dry Cargo: Draft 31 ft. 6 in. *Fuel:* Small quantities only.
Dry Docks: None. *Airport:* Catania and Palermo.
Gelendzhik, U.S.S.R.: 44.33 N. 38.05 E. 26
Gelibolu, see Gallipoli.
Gellibrand, see Melbourne.
Gelting, Germany: 54.44 N. 9.53 E. 11
Gemikonagi, Cyprus: 35.08 N. 32.50 E. 26
Max. Size: Karavostassi: Depth 18 m. Xeros: Depth 4.3 m.
Fuel: Not available. *Airport:* Ercan, 53 miles.
Gemlik, Turkey: 40.25 N. 29.06 E. 25, 26
Max. Size: Depth alongside 12.6 m. *Fuel:* 48 hours' notice.
Gemsah, Egypt: 27.39 N. 33.36 E. 32
General MacArthur, Samar, Philippines: 11.14 N. 125.32 E. 46
General San Martin, Peru: 13.48 S. 76.17 W. 72
(incl. Tanker Berth: 13.36 N. 76.16 W.)
Max. Size: Draft: 32 ft. Tankers: Depth 45 ft. *Fuel:* Not available.
General Santos, see Dadiangas.
Gennevilliers, France: 48.56 N. 2.17 E. 7
Max. Size: Depth 3.5 m. See also Paris.
Genoa, Italy: 44.24 N. 8.54 E. 21, 24
Max. Size: Tankers: Draft 46 ft. See also Multedo.
Other Vessels: Draft 26 ft. – 44 ft. *Fuel:* All grades.
Dry Docks: 100,000 d.w.t. *Airport:* 5 km.
Genteng, Indonesia: 7.23 S. 106.24 E. 38
Gentil, see Port Gentil.
Geographe Bay, see Busselton.
Georgetown, Ascension Island: 7.55 S. 14.20 W. 29
Max. Size: Anchorage port only, unlimited depth.
Fuel: Not available. *Airport:* No commercial flights.
Georgetown, P.E.I., Canada: 46.11 N. 62.31 W. 60
Georgetown, Grand Cayman, Cayman Islands, (U.K.):
19.18 N. 81.23 W. 69
Max. Size: Depths to 26 ft. *Fuel:* Marine diesel only.
Airport: International.
Georgetown, Gambia: 13.30 N. 14.45 W. 27
Georgetown, Guyana: 6.49 N. 58.10 W. 69, 72, 74
Max. Size: Draft 30 ft. 8 in. *Fuel:* Bunker "C" and diesel fuel in emergency only. *Dry Docks:* 210 ft. × 37 ft. 9 in. at entrance. Top 46 ft. 4 in., bottom 40 ft. 9 in.
Airport: Timehri, 30 miles.
Georgetown, Malaya, Malaysia, see Penang.
Georgetown, South Carolina, U.S.A.: 33.22 N. 79.17 W. 55, 66
Max. Size: LOA 700 ft., beam 100 ft., depth 27 ft.
Fuel: Available. *Airport:* 35 miles.
Georgia, U.S.A. 66
Georgian Bay, Lake Huron, Ontario, Canada 60, 62
Geraldton, W.A., Australia: 28.46 S. 114.36 E. 49
Max. Size: LOA 213 m., beam 30.4 m. Drafts: 8.7 m. at LW – 9.3 m. at 1.1 m. tide. *Fuel:* Light diesel oil.
Airport: 11 km., connects with Perth (430 km.).
Geras Bay, see Mitylene.
GERMANY, FEDERAL REPUBLIC OF 7, 9, 10, 11, 12
Germein, see Port Germein.
Gerona, Cuba, see Nueva Gerona.
Geser, Indonesia: 3.53 S. 130.54 E. 45
Geta, Finland: 60.25 N. 19.50 E. 10
Geziret Is., see Jaziret Zabarjad.
GHANA 29
Ghannouche, see Gabes.
Ghazaouet, Algeria: 35.06 N. 1.52 W 22
Max. Size: LOA 180 m., draft 28 ft.
Fuel: Small quantities by road tankers.
Ghenichesk, U.S.S.R.: 46.10 N. 34.49 E. 26
Ghent, Belgium: 51.02 N. 3.44 E. 7
Max. Size: LOA 256 m., beam 34 m., draft 12.25 m. (FW).
Fuel: All grades. *Dry Docks:* For ships: LOA 120 m., beam 13 m., draft 5 m. *Airport:* Brussels 70 km., Antwerp 60 km..
Gibara, see Vita.
Gibostad, Norway: 69.22 N. 18.06 E. 9, 15
Gibraltar, (U.K.): 36.08 N. 5.21 W. 1, 20, 21, 22, 27
(Incl. Europa Point: 36.07 N. 5.21 W.)
Max. Size: Draft 31 ft. 6 in. *Fuel:* All grades available.
Dry Docks: 4 dry docks. Largest 871 ft. × 125 ft.
Airport: Daily flights to London.
Gifatin Is., Egypt: 27.11 N. 33.56 E. 32
Gigante, Panama: 9.05 N. 79.50 W. 70
Giglio, Italy: 42.15 N. 10.45 E. 24
Gijon, Spain: 43.34 N. 5.41 W. 19, 20, 21, 22
Max. Size: LOA up to 305 m., draft up to 45 ft. *Fuel:* Fuel and diesel oil. *Dry Docks:* Largest: 170 m. length, 27.40 m. wide (26,000 tons). *Airport:* Asturias 45 km., connects with Madrid.
Gilau, Papua New Guinea: 5.35 S. 149.05 E. 45
Gilbert Islands, Kiribati 48
Gildeskal, Norway: 67.05 N. 14.00 E. 15
Giles, see Port Giles.
Gillam, Manitoba, Canada: 56.25 N. 94.40 W. 59
Gilleleje, Denmark: 56.08 N. 12.19 E. 10, 11
Gillingham, see Chatham, U.K.
Gilmanuk, Indonesia: 8.09 S. 114.26 E. 38
Ginelfa, Egypt: 30.10 N. 32.31 E. 33
Gingoog, Mindanao, Philippines: 8.50 N. 125.06 E. 46
Max. Size: Deep water berth. *Fuel:* Not available.
Airport: Not available.
Girard Point, see Philadelphia.
Giresun, Turkey: 40.56 N. 38.24 E. 26
Max. Size: Draft 10.0 m. *Fuel:* Available.
Girvan, U.K.: 55.15 N. 4.51 W. 5
Max. Size: LOA 50 m., beam 9 m., draft 3.5 m. (HW).
Fuel: Diesel. *Airports:* Prestwick 38 km., Glasgow 91 km.
Gisborne, New Zealand: 38.42 S. 178.02 E. 52
Max. Size: LOA 173.7 m. draft 8.6 m. at HW.
Fuel: By rail tanker. *Airport:* 3.5 miles (Internal).
Githion, see Yithion.
Giulianova, Italy: 42.45 N. 13.58 E. 24
Giurgiu, Romania: 43.50 N. 25.55 E. 26
Gizan, Saudi Arabia: 16.54 N. 42.32 E 31, 32
Max. Size: LOA 250 m., draft 11.75 m.
Fuel: Diesel oil available. *Airport:* Domestic, 3 km.
Gizhiga, U.S.S.R.: 62.00 N. 160.30 E. 54
Gizo, Solomon Islands: 8.05 S. 156.52 E. 48
Max. Size: Depth alongside 9 ft. Anchorage 16 fathoms.
Gjeving, see Risor.
Glace Bay, Nova Scotia, Canada: 46.12 N. 59.57 W. 60
Gladstad, Norway: 65.45 N. 12.00 E. 15
Gladstone, Queensland, Australia: 23.51 S. 151.15 E. 49
Max. Size: Draft 16.4 m. Tankers: Depth 11.3 m.
Fuel: All grades. *Dry Docks:* None.
Airport: 3 km., connects with Brisbane.
Gladstone, Michigan, U.S.A.: 45.51 N. 87.01 W. 62
Glan, Mindanao, Philippines: 5.50 N. 125.12 E. 46
Glasgow, U.K.: 55.51 N. 4.16 W. 5, 6
(Incl. Bowling: 55.56 N. 4.29 W., Clydebank, Old Kilpatrick: 55.55 N. 4.27 W., Renfrew: 55.53 N. 4.24 W. and Rothesay Dock: 55.53 N. 4.24 W.)
Max. Size: Draft 32 ft. (FW). *Fuel:* All grades.
Airport: 12 miles from city, Prestwick 30 miles.
Glasgow, see Greenock.
Glasson Dock, U.K.: 54.00 N. 2.50 W. 5
Glebe Is., see Sydney, N.S.W., Australia.
Glenarm, U.K.: 54.58 N. 5.57 W. 5
Glencolumbkille, Eire: 54.43 N. 8.44 W. 5

Glenelg, Australia, see Adelaide.

Glenelg, U.K.: 57.13 N. 5.37 W. 5

Glensanda, U.K.: 56.34 N. 5.32 W. 5
Max. Size: 120,000 d.w.t. Depth 12.3 m. *Fuel:* Not available.

Global Marine Terminal, see New York.

Glomfjord, Norway: 66.50 N. 13.57 E. 15
Max. Size: Quay: Depth 15.0 m.
Fuel: Not available. *Airport:* Bodo, 2.5 hours by car.

Glorieuses, Is., (France): 11.30 S. 47.20 E. 30

Gloucester, U.K.: 51.52 N. 2.14 W. 5, 6, 7
Max. Size: See Gloucester & Sharpness Ship Canal.

Gloucester, Massachusetts, U.S.A.: 42.37 N. 70.40 W. . . . 60, 63

Gloucester, New Jersey, U.S.A.: 39.54 N. 75.08 W. 63
Max. Size: Depth to 31 ft.

Gloucester and Sharpness Ship Canal, U.K. 5, 7
Max. Size: LOA 205 ft. (62.5 m.), beam 31 ft. (9.45 m.), draft 11 ft. 6 in. (3.5 m.) (FW). See also Sharpness.

Glovertown, Newfoundland, Canada: 48.40 N. 54.02 W. . . . 60

Gluckstadt, Germany: 53.45 N. 9.25 E. 8, 10
Max. Size: Draft 4.5 m. through to Inner Harbour.
Dry Docks: Slipway for waterway vessels up to 500 d.w.t.

Gnarp, Sweden: 62.02 N. 17.25 E. 15

Gocek, Turkey: 36.45 N. 28.59 E. 25
Max. Size: Depth 11.5 m. *Fuel:* Not available.

Godbout, Quebec, Canada: 49.20 N. 67.36 W. 60

Goddard, Alaska, U.S.A.: 56.25 N. 135.30 W. 56

Goderich, Ontario, Canada: 43.45 N. 81.43 W. 62

Godhavn, see Qeqertarsuaq.

Godovari Delta, India (Bay of Bengal) 37

Godthab, see Nuuk.

Goeree Is., Netherlands 7

Gogland Is., Finland: 60.06 N. 26.58E. 10

Gokceade, see Imbros.

Gokova Iskele, Turkey: 37.03 N. 28.22 E. 25

Golchikha, U.S.S.R.: 71.45 N. 83.30 E. 16

Golcuk, Turkey: 40.43 N. 29.48 E. 25

Gold River, British Columbia, Canada: 49.40 N. 126.07 W. . . 56

Goldboro, Nova Scotia, Canada, see Isaac's Harbour.

Golfito, Costa Rica: 8.37 N. 83.10 W. 69
Max. Size: LOA 450 ft., depth 35 ft. *Fuel:* Diesel and fuel oil available from time to time. *Airport:* One mile.

Golfo Aranci, (Sardinia), Italy: 41.00 N. 9.37 E. 24

Golluk, Turkey: 37.14 N. 27.38 E. 25, 26
Max. Size: Depth alongside 39 ft., shelving to 20 ft., 90 m. from end.

Golovasi, Botas (Ceyhan) Terminal, Turkey: 36.53 N. 35.56 E. 26
Max. Size: 300,000 d.w.t. at outer berths. *Fuel:* Available at 48 hours notice. *Airport:* Adana Airport 75 km., connects with Istanbul.

Golovino, U.S.S.R.: 43.40 N. 145.30 E. 42

Gomera, Canary Islands, (Spain) 27

Gonaives, Haiti: 19.27 N. 72.42 W. 69

Good Hope, Louisiana, U.S.A.: 29.59 N. 90.24 W. 67
Max. Size: Depth 40 ft. *Fuel:* Bunker "C" available.

Goodenough Is., see Beli-Beli.

Goole, U.K.: 53.42 N. 00.50 W. 5, 6
Max. Size: LOA 100 m., beam 24 m., draft 5.5 m., 3,000 d.w.t. *Fuel:* All grades. *Dry Docks:* Largest: 91 m.×15.2 m.×4.75 m. *Airport:* Humberside.

Goose Bay, Newfoundland, Canada: 53.22 N. 60.22 W. . . . 59
Max. Size: Draft 5.9 m. *Fuel:* Light diesel oil only.
Airport: 1.5 miles.

Gopalpore, India: 19.15 N. 84.54 E. 37

Gorda, see Moa.

Gore Bay, Ontario, Canada: 45.56 N. 82.28 W. 62

Gorele, Turkey: 41.05 N. 39.07 E. 26

Gorey, Channel Is., (U.K.): 49.12 N. 2.01 W. 7

Gorgona, Italy: 43.25 N. 10.00 E. 24

Gorgona Is., Colombia: 3.00 N. 78.10 W. 72

Gorinchem, Netherlands: 51.50 N. 5.00 E. 7

Goritsa Bay, see Corfu.

Gorontalo, Indonesia: 00.30 N. 123.04 E. 45

Gosport, U.K.: 50.48 N. 1.07 W. 5, 7

Gota, Sweden: 58.06 N. 12.08 E. 11

Gota Canal, Sweden: 58.30 N. 15.30 E. 10

Goteborg, see Gothenburg.

Gothenburg, Sweden: 57.42 N. 11.57 E. 9, 10, 11
Max. Size: Tankers: 225,000 d.w.t. Container ships: Depth up to 12 m. Others: Depth 10 m. *Fuel:* All grades available.
Dry Docks: Largest 230,000 d.w.t. *Airport:* Landvetter, 30 km.

Gotland Is., Sweden 9, 10

Goto Is., Japan: 32.40 N. 128.45 E. 41, 42, 44

Gotska Sandon, Sweden: 58.22 N. 19.15 E. 10

Gough Is., (U.K.): 40.20 S. 9.44 W. 18, 29, 68

Goulais, Ontario, Canada: 46.44 N. 84.30 W. 62

Gouraya, Algeria: 36.32 N. 1.55 E. 22

Gourock, see Greenock.

Gove, N.T., Australia: 12.12 S. 136.40 E. 45, 49
Max. Size: Approach Channel to bulk cargo and tanker jetties min. depth 13.8 m., general cargo jetty min. depth 11.59 m.
Fuel: Not available. *Airport:* Gove.

Goya, Argentina: 29.12 S. 59.15 W. 72

Gozo Is., Malta 24

Graciosa Bay, Ndene I., Santa Cruz Is., Solomon Is.: 10.45 S. 165.50 E. 48

Graciosa Is., Azores, (Portugal) 20

Grado, Italy: 45.40 N. 13.21 E. 24

Grafton, N.S.W., Australia: 29.42 S. 152.56 E. 49

Graham, see English Bay.

Graham Is., British Columbia, Canada 56

Gramercy, Louisiana, U.S.A.: 30.03 N. 90.41 W. 67
(including Pauline)
Max. Size: Depth alongside 40 ft. Pauline: Depth 60 ft.
Fuel: Not available.

Gran Canaria, Canary Is., (Spain) 27

Granaderos, see San Lorenzo.

Grand Bahama Is., Bahama Islands 66, 69

Grand Bank, Newfoundland, Canada: 47.06 N. 55.45 W. . . . 60
Max. Size: Depths 14 ft. – 18 ft. (LWOST).
Fuel: Limited supplies of fuel oil/diesel.

Grand Bassam, Ivory Coast: 5.12 N. 3.43 W. 29

Grand Bay, Louisiana, U.S.A. 67

Grand Bereby, Ivory Coast: 4.38 N. 6.54 W. 29

Grand Bourg, Marie Galante Is., Guadeloupe, (France): 15.53 N. 61.19 W. 69

Grand Canary, see Gran Canaria

Grand Cayman Is., (U.K.) 69

Grand Entree, Quebec, Canada: 47.34 N. 61.34 W. 60

Grand Haven, Michigan, U.S.A.: 43.04 N. 86.14 W. 62

Grand Isle., Louisiana, U.S.A.: 29.14 N. 90.00 W. 67

Grand Is., Michigan, U.S.A.: 46.34 N. 86.40 W. 62

Grand Lahou, Ivory Coast: 5.08 N. 5.00 W. 29

Grand Marais, Michigan, U.S.A.: 46.40 N. 85.58 W. 62

Grand Marais, Minnesota, U.S.A.: 47.45 N. 90.20 W. 62

Grand Popo, Benin: 6.16 N. 1.51 E. 27, 28

Grand Terre Is., Louisiana, U.S.A. 67

Grand Traverse Bay, Lake Michigan, U.S.A. 62

Grand Turk, Turks Is., Turks and Caicos Is., (U.K.): 21.28 N. 71.08 W. 69
Max. Size: Draft 3.9 m. *Fuel:* Available. *Airport:* 1 mile.

Grande, see Puerto Grande.

Grande Comore, Comoros 30

Grande Isle, Louisiana, U.S.A.: 29.14 N. 90.00 W. 67

Grande Riviere, Quebec, Canada: 48.25 N. 64.30 W. 60

Grande Vallee, Quebec, Canada: 49.13 N. 65.06 W. 60

Granerudstoen, see Fagerstrand.

Grangemouth, U.K.: 56.01 N. 3.43 W. 5, 6
Max. Size: Dry cargo: LOA 600 ft., beam 90 ft., draft 25 ft. 6 in. Tankers: LOA 575 ft., beam 90 ft., draft 34 ft.
Fuel: All grades. *Dry Docks:* Length 350 ft., breadth 50 ft., depth 22 ft. *Airport:* 1 hour to Glasgow/Edinburgh.

Grankullavik, Oland Is., Sweden: 57.22 N. 17.07 E. 10

Granna, Sweden: 58.00 N. 14.25 E. 10

Granton, U.K.: 55.59 N. 3.13 W. 5, 6
Max. Size: Draft 7.07 m. (HW). *Fuel:* All grades.
Airport: Edinburgh, 6 miles.

Granvik, (Seskaro Is.), Sweden: 65.44 N. 23.45 E. 15

Granville, France: 48.50 N. 1.37 W. 7, 19
Max. Size: LOA 115 m., beam 18 m., draft 7.5 m.
Fuel: Available from tanker lorry. *Airport:* 10 km.

Graso, Sweden: 60.25 N. 18.35 E. 10

Grasselli, New Jersey, U.S.A.: 40.37 N. 74.12 W. 63

Grassy, Tasmania, Australia: 40.02 S. 144.06 E. 49

Grasten, Denmark: 54.55 N. 9.36 E. 11

Gravelines, France: 51.00 N. 2.08 E. 7

Gravesend, U.K.: 51.25 N. 00.25 E. 5, 6, 7

Grays Harbor, Washington, U.S.A.: 46.55 N. 124.08 W. 55, 56, 57
Max. Size: Depth 40 ft. *Fuel:* Available.

Great Abaco Is., Bahamas 69

Great Australian Bight 49

Great Barrier Is., New Zealand: 37.12 S. 175.25 E. 52

Great Barrier Reef, Australia 49

Great Belt, Denmark 10, 11

Great Bitter Lake, Suez Canal 33

Great Britain, see United Kingdom.

Great Inagua Is., Bahamas 69

Great Nicobar Is., (Nicobar Islands), India 38

Great Shantar Is., U.S.S.R. 42

Great Sitkin Is., Aleutian Is., Alaska, U.S.A. 54

Great Whale River, see Poste de la Baleine.

Great Yarmouth, U.K.: 52.34 N. 1.44 E. 5, 7
Max. Size: LOA 138 m., draft 5.7 m. (HWOST). *Fuel:* Gas oil.
Dry Docks: Vessels to 85 m. × 12.5 m. Sill depth: 4.45 m. MST.
Airport: Norwich.

Greater Antilles 69

Greater Sunda Islands 38
Grebbestad, Sweden: 58.41 N. 11.15 E. 38
GREECE 21, 24, 25, 26
Green Bay, Wisconsin, U.S.A.: 44.32 N. 88.02 W. 55, 62
Max. Size: Depth 26 ft. (HW). *Fuel:* Fuel oil available in any quantity. *Dry Docks:* Available at Sturgeon Bay, Wisconsin. *Airport:* 8 miles.
Greenhithe, see Tilbury.
GREENLAND, (DENMARK) 17, 59
Greenland Sea 17, 56
Greenock, U.K.: 55.57 N. 4.46 W. 5, 6
(Including Port Glasgow: 55.56 N. 4.41 W., Gourock: 55.57 N. 4.49 W.)
Max. Size: Container berths: Depth 42 ft. LWOST. *Fuel:* All grades. *Airport:* Glasgow.
Greenore, Eire: 54.02 N. 6.08 W. 5
Greenport, New York, U.S.A.: 41.05 N. 72.22 W. 63
Greenville, Liberia: 4.59 N. 9.03 W 29
Max. Size: Basin: Up to 156 m. LOA, 7.31 m. draft. *Fuel:* Small quantities of diesel. *Dry Docks:* None. *Airport:* 5 miles (Domestic).
Greenville, Mississippi, U.S.A.: 33.25 N. 91.03 W. 66
Greenwich, U.K.: 51.29 N. 00.00 5
Greenwich, Connecticut, U.S.A.: 41.01 N. 73.37 W. 63
Greenwich Point, see Philadelphia.
Gregorio, Chile: 52.38 S. 70.11 W. 72
Max. Size: LOA 250 m., draft 49 ft., 75,000 tons displacement. *Fuel:* Not available. See also Punta Arenas.
Gregory, see Port Gregory.
Greifswald, Germany: 54.05 N. 13.23 E. 11
Gremikha, U.S.S.R.: 68.03 N. 39.31 E. 16
Grenaa, Denmark: 56.25 N. 10.56 E. 10, 11
Max. Size: LOA 140 m., draft 6.2 m., beam 14 m. *Fuel:* Available. *Airport:* Tirstrup, 25 km.
GRENADA 69
Grenadine Is., St. Vincent 69
Grenville, Quebec, Canada: 45.38 N. 74.36 W. 61
Gresik, Indonesia: 7.09 S. 112.40 E. 38
Max. Size: Depth 15 m. – 18 m. (LWL), 30,000 d.w.t.
Gretna, Louisiana, U.S.A.: 29.15 N. 90.04 W. 67
Max. Size: Depth 30 ft. – 35 ft. Also see New Orleans.
Grey Is., Newfoundland, Canada 60
Greymouth, New Zealand: 42.26 S. 171.13 E. 52
Grigorevsky, see Yuzhnyy.
Grimsby, U.K.: 53.34 N. 00.04 W. 5, 6
Max. Size: LOA 145 m., beam 20.6 m., draft 5.8 m. *Fuel:* Gas and diesel oils. *Dry Docks:* At Immingham. *Airport:* Humberside, 15 miles.
Grimstad, Norway: 58.20 N. 8.35 E. 10
Grindstone Is., Quebec, Canada, see Magdalen Is.
Grisslehamn, Sweden: 60.06 N. 18.49 E. 10
Groais Is., Newfoundland, Canada: 50.58 N. 55.32 W. 60
Groningen, Netherlands: 53.15 N. 6.34 E. 8, 10
Max. Size: Beam 13 m., draft 4.5 m. *Fuel:* By barge only. *Dry Docks:* See Delfzijl. *Airport:* Eelde, 10 km.
Gronnedal, Greenland, (Denmark): 61.15 N. 48.05 W. 17
Groote Eylandt, see Milner Bay.
Gros Cacouna, Quebec, Canada: 47.56 N. 69.31 W. 60
Max. Size: LOA 135 m., draft 10.2 m. *Fuel:* Diesel available. *Dry Docks:* Lauzon, 95 miles.
Grossenbrode, Germany: 54.21 N. 11.05 E. 11
Groton, see New London.
Grove Wharf, see Gunness.
Grunenthal, see Fischerhutte.
Gruvon, Sweden: 59.20 N. 13.07 E. 15
Gruz Harbour, Yugoslavia: 42.39 N. 18.07 E. 24
Max. Size: LOA 230 m., draft 32 ft. *Fuel:* Tankers from Split. *Airport:* Cilipi, 25 km.
Gryllefjord, Norway: 69.22 N. 17.04 E. 15
Grytviken, South Georgia, (U.K.): 53.45 S. 37.10 W. 72
Guacolda, see Huasco.
Guadalcanal Is., Solomon Is. 69
Guadalupe Is., Mexico: 28.56 N. 118.18 W. 48, 57
GUADELOUPE 69
Guadeloupe Passage 69
Guaiba Island, see Sepetiba Terminal.
Gualeguaychu, Argentina: 33.02 S. 58.30 W. 75
GUAM, (U.S.A.) 45
Guanaja Is., Honduras: 16.28 N. 85.53 W. 69
Guangzhou, China: 23.05 N. 113.25 E. 38, 47
Max. Size: Old Port: 10,000 d.w.t., depth 7 m. New Port: 20,000 d.w.t., depth 11.9 m. Huangpu: LOA 180 m., draft 9 m. *Fuel:* Available.
Guanica, Puerto Rico: 17.57 N. 66.54 W. 69
Max. Size: Depth 28 ft. alongside. *Fuel:* By truck.
Guanoco, Venezuela: 10.09 N. 62.56 W. 74
Max. Size: See Caripito.
Guanta, Venezuela: 10.15 N. 64.35 W. 69, 74
Max. Size: Depth 27 ft. – 34 ft. *Fuel:* Diesel and gas oil. *Airport:* Barcelona 15 miles, connects with Caracas.
Guantanamo Bay, Cuba: 19.59 N. 75.10 W. (U.S. Naval Base) 69
See also Caimanera.
Guapi, Colombia: 2.35 N. 77.55 W. 69, 72
Guaraguao, see Guanta.
Guaranao, Venezuela: 11.40 N. 70.13 W. 69
Max. Size: Anchorage: Depth 28 ft. (8.5 m.) – 36 ft. (11m.). *Fuel:* Available.
Guarello, see I. Madre de Dios.
GUATEMALA 69
Guayabal, Cuba: 20.42 N. 77.36 W. 69
Max. Size: LOA 510 ft., draft 32 ft. 6 in. (HW – sailing). *Fuel:* Not available.
Guayacan, Chile: 29.58 S. 71.22 W. 72
Max. Size: LOA 315 m., beam 50 m., draft 16.2 m. Tankers: LOA 190 m., draft 12 m., 41,000 d.w.t. *Fuel:* Diesel at Ore Pier by truck.
Guayama, see Las Mareas.
Guayanilla, Puerto Rico: 18.00 N. 66.46 W. 69
(incl. Tallaboa Bay: 17.59 N. 66.44 W.)
Max. Size: 80,000 d.w.t., draft 42 ft. Tallaboa Bay: Depth 38 ft. *Fuel:* Available. *Dry Docks:* See San Juan. *Airport:* Ponce, connects with San Juan.
Guayaquil, Ecuador: 2.12 S. 79.52 W. 72
Max. Size: LOA 650 ft., draft 33 ft. For Guayas River, LOA 600 ft., draft 23 ft. 6 in. *Fuel:* Not available. *Dry Docks:* Capacity 3,600 tonnes. *Airport:* 8 miles.
Guayas River, see Guayaquil.
Guaymas, Mexico: 27.54 N. 110.52 W. 48, 57
Max. Size: Depth 10.5 m.
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Guiuan, Samar, Philippines: 11.05 N. 125.45 E. 45, 46
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Gulf of Tunis 24
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Gulf Outlet Canal, Mississippi Delta 67
Gulfhavn, Denmark: 55.12 N. 11.16 E. 10, 11
Max. Size: Draft 15.5 m. *Fuel:* Available at all berths.
Airport: Copenhagen, 120 km.
Gulfport, Mississippi, U.S.A.: 30.21 N. 89.05 W. 55, 66, 67
Max. Size: LOA approximately 900 ft., depth 30 ft.
Fuel: Bunker service available. *Airport:* Gulfport, 4 miles.
Gulfport, see Stapleton.
Gumboda, Sweden: 64.15 N. 21.06 E. 15
Gunness, U.K.: 53.36 N. 0.41 W. 5, 6
Gunsan, see Kunsan.
Gunungsitoli, Indonesia: 1.17 N 97.36 E. 38
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Hachijo, Japan: 33.05 N. 139.45 E. 42, 45
Hachinoe, see Hachinohe.
Hachinohe, Japan: 40.33 N. 141.33 E. 42
Max. Size: Depth 13 m. *Fuel:* All grades of bonded oil.
Dry Docks: Capacity 1,000/2,000 tons.
Airport: Misawa Airport, about 50 km.
Hackensack River, New Jersey, U.S.A. 63
Hadera, Israel: 32.28 N. 34.53 E. 26
Max. Size: 180,000 d.w.t, depth 20 m. Tankers: 70,000 d.w.t., depth 18 m. *Fuel:* Available.
Hadersiev, Denmark: 55.15 N. 9.29 E. 11
Max. Size: LOA 110 m., width 17 m., depth 4.9 m.
Fuel: Available by truck. *Airport:* 15 km.
Hadibu, Yemen: 12.40 N. 54.05 E. 31
Hadsel, Norway: 68.35 N. 14.55 E. 15
Hadsund, Denmark: 56.43 N. 10.07 E. 11
Haeju, North Korea: 37.59 N. 125.42 E. 41
Max. Size: Depth at low water about 6.8 m.
Fuel: Restricted quantities.
Hafnarfjordur, Iceland: 64.04 N. 21.58 W. 17
Max. Size: Depth 7.5 m. Tankers: Draft 9.5 m. *Fuel:* Available.
Airport: Reykjavik 10 km., Keflavik 35 km.
Hagi, Japan: 34.25 N. 131.25 E. 44
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Haha, (Japan): 26.36 N. 142.10 E. 45
Hahnville, Louisiana, U.S.A.: 29.58 N. 90.25 W. 67
Hai Men, China: 28.41 N. 121.26 E. 41
Haifa, Israel: 32.49 N. 35.00 E. 21, 26
Max. Size: Draft 35 ft. in the main port. Kishon Harbour: 9.5 m. draft. Tankers: Draft 50 ft. *Fuel:* Heavy fuel oil, light fuel oil, marine diesel oil available. *Dry Docks:* Largest floating dock capacity of 7,500 tons. *Airport:* Lod, 105 km.
Haijuube, see Haeju.
Haikou, China: 20.01 N. 110.16 E. 38
Max. Size: Channel: Depth 6 m. Berth: LOA 150 m., draft 8 m.
Fuel: Available.
Hailuoto, Finland: 65.00 N. 24.45 E. 15
Hainan, China 38
Hainan Straits, China 38
Haines, Alaska, U.S.A.: 59.15 N. 135.25 W. 56
Max. Size: Depth 36 ft. Lumber Berth: Depth 45 ft.
Fuel: Not available. *Airport:* Air taxi service available.
Haiphong, Vietnam: 20.52 N. 106.41 E. 38
Max. Size: LOA 200 m., beam 26 m., draft 7.0 m.
Fuel: Available. *Dry Docks:* Max. length 150 m., 10,000 d.w.t.
Airport: Noi Bai, 130 km.
HAITI 69
Hakata, Japan: 33.36 N. 130.24 E. 44
Max. Size: Draft 11.10 m. *Fuel:* Bonded bunker oil is lightered from another port. *Airport:* 20 minutes.
Hakodate, Japan: 41.47 N. 140.42 E. 42
Max. Size: Cargo: Draft 8.5 m. Tankers: Up to 75,000 d.w.t. at S.B.M., draft 14.5 m., LOA 260 m. *Fuel:* All grades of bonded bunkers lightered from Tokyo Bay. *Dry Docks:* No. 1 capacity 15,000 g.t., LOA 180 m. *Airport:* 20 minutes.
Halaib, Sudan: 22.11 N. 36.30 E. 32
Halat al Mubarras, see Mubarras.
Halden, Norway: 59.08 N. 11.25 E. 8, 10
Max. Size: LOA 560 ft., beam 70 ft., draft 25 ft.
Fuel: Available. *Dry Docks:* None.
Airport: Nearest Fornebu – Oslo.
Haldia, India: 22.00 N. 88.05 E. 37, 38
Max. Size: Draft under constant review, LOA 885 ft. (270 m.). Tankers: LOA 780 ft., draft 35 ft.
Half Assini, Ghana: 5.02 N. 2.50 E. 29
Halgenas, Sweden: 58.00 N. 16.32 E. 10
Halifax, Nova Scotia, Canada: 44.39 N. 63.34 W. 60
Max. Size: Up to 60 ft. draft. Tankers: Draft 50 ft.
Fuel: Available. *Dry Docks:* Floating dock, capacity 22,680 tons.
Airport: Halifax International.
Hall Is., Alaska, U.S.A.: 60.39 N. 173.05 W. 54
Hall Is., Caroline Is., Micronesia: 8.32 N. 152.07 E. 45, 48
Halle, Belgium: 50.45 N. 4.15 W. 7
Halle, see Krokstand.
Halling, see Snodland.
Hallstanas, see Svano.
Hallstavik, Sweden: 60.03 N. 18.35 E. 10
Max. Size: Draft 23 ft. *Fuel:* Delivered from Stockholm.
Airport: Stockholm, 75 km.
Halmahera Is., Indonesia 45

Halmstad, Sweden: 56.40 N. 12.52 E. 9, 10, 11
Max. Size: LOA 770 ft., draft 37 ft. Tankers: LOA 700 ft., draft 30 ft. *Fuel:* Available. *Dry Docks:* 2 slips. *Airport:* Connects Stockholm.
Hals, Denmark: 57.00 N. 10.15 E. 10, 11
Halul Island, Qatar: 25.40 N. 52.25 E. 35
Max. Size: SBM No. 2: Up to 29 m. draft (640,000 tons). *Fuel:* Available.
Ham, Foula Is., U.K.: 60.07 N. 2.03 W. 5
Ham Ninh, Vietnam: 10.00 N. 104.00 E. 38
Hamada, Japan: 34.54 N. 132.03 E. 44
Max. Size: 15,000 d.w.t. *Fuel:* Bonded oil from Moji.
Hamamasu, Japan: 43.35 N. 141.24 E. 42
Hamamatsu, Japan: 34.45 N. 137.45 E. 42
Hamaroy, Norway: 68.05 N. 15.40 E. 15
Hambantota, Sri Lanka: 6.07 N. 81.07 E. 37
Hamble, U.K.: 50.50 N. 1.19 W. 7
Max. Size: LOA 260 m., draft 13.1 m. *Fuel:* All grades. *Airport:* Southampton.
Hamburg, Germany: 53.33 N. 9.59 E. 8, 9, 10
(including Wilhelmsburg)
Max. Size: Inward: Draft 37 ft. – 47 ft. Outward: Draft 39 ft. – 41 ft. *Fuel:* All grades available. *Dry Docks:* Numerous floating docks up to 50,000 tons, graving dock capacity 320,000 d.w.t. *Airport:* 15 km.
Hamelin Pool, W.A., Australia: 26.10 S. 114.30 E. 49
Hamhung, North Korea: 40.05 N. 127.30 E. 42
Hamilton, Australia, see Brisbane.
Hamilton, Bermuda, (U.K.): 32.15 N. 64.50 W. 63
Max. Size: Largest: LOA 703 ft., draft 26.5 ft. *Fuel:* Grades available: Bunker "C" fuel oil, diesel oil. *Airport:* 10 miles.
Hamilton, Ontario, Canada: 43.14 N. 79.41 W. 60, 62
Max. Size: LOA 730 ft., draft 26 ft. *Fuel:* All types available. *Airport:* Hamilton (10 miles), Toronto (30 miles).
Hamilton Inlet, Newfoundland, Canada 59
Hamina, Finland: 60.34 N. 27.11 E. 9, 10, 13
Max. Size: Depth 10.0 m. *Fuel:* Fuel and diesel oils. *Airport:* Helsinki, 145 km.
Hammamet, Tunisia: 36.25 N. 10.40 E. 24
Hammerfest, Norway: 70.40 N. 23.40 E. 9, 15
Max. Size: Up to 30,000 g.r.t., draft 30 ft. *Fuel:* All grades except heavy fuel. *Dry Docks:* None. *Airport:* Hammerfest.
Hammerhavnen, see Allinge.
Hampden, Newfoundland, Canada: 49.32 N. 56.50 W. 60
Hampton, Virginia, U.S.A.: 37.05 N. 76.15 W. 60, 63, 65
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Max. Size: See Norfolk, Newport News, Portsmouth, etc.
Hamra, see Marsa-al-Hamra.
Hamrawein, Egypt: 26.15 N. 34.12 E. 32
Max. Size: Draft 33 ft. *Fuel:* Not available locally. *Airport:* Hurghada.
Hamriya, see Dubai.
Hamriyah L.P.G. Terminal, U.A.E.: 25.28 N. 55.29 E. 35
Max. Size: LOA 230 m., 83,000 cu.m., draft 12.6 m. *Fuel:* Not available.
Hamriyah Terminal, U.A.E.: 25.35 N. 55.24 E. 35
Max. Size: Draft 55 ft., 80,000 d.w.t. *Fuel:* Not available. *Airport:* Sharjah.
Handa, Somalia: 10.38 N. 51.07 E. 31
Hang Chow, see Hangzhou.
Hang Chow Bay, China 41, 45
Hanga Roa, Easter Island, Chile: 27.07 S. 109.23 W. 48
Hangzhou, China: 30.43 N. 120.20 E. 41, 45
Max. Size: Draft 6.5 m. *Fuel:* Not available.
Hanish Is., Yemen: 13.45 N. 42.46 E. 32
Hanko, Finland: 59.49 N. 22.58 E. 9, 10
Max. Size: Up to 26.5 ft. draft. *Fuel:* Delivered by rail cars.
Hankou, China: 30.35 N. 114.17 E. 41
Hannan Port, Japan: 34.27 N. 135.22 E. 44
Max. Size: Depth 6.5 m. – 12 m., 20,000 d.w.t. Also see Sakai.
Hanoi, Vietnam: 21.05 N. 105.50 E. 38
Hanstholm, Denmark: 57.08 N. 8.36 E. 10
Hansweert, Netherlands: 51.26 N. 4.00 E. 7
Hantsport, Nova Scotia, Canada: 45.04 N. 64.10 W. 60
Max. Size: Draft 25 ft. *Fuel:* Oil by truck.
Hao Is., Tuamotu Arch., French Polynesia: 18.10 S. 140.50 W. 48
Haparanda, Sweden: 65.50 N. 24.08 E. 15
Haql, Saudi Arabia: 29.15 N. 34.56 E. 21, 32
Haraholmen, see Pitea.
Haramidere, Turkey: 40.58 N. 28.41 E. 25
Max. Size: Tankers: Draft 48 ft. See also Ambarli, Istanbul.
Harbor Beach, Michigan, U.S.A.: 43.50 N. 82.40 W. 62
Harbor Breton, Newfoundland, Canada: 47.29 N. 55.49 W. . . . 60
Harbor Island, see Port Aransas.
Harbor Springs, see Petoskey.
Harbour Buffet, Newfoundland, Canada: 47.32 N. 54.04 W. . . 60
Harbour Grace, Newfoundland, Canada: 47.43 N. 53.08 W. 60
Max. Size: LOA 650 ft., draft 24 ft. at low tide. *Fuel:* Available. *Airport:* International, 1 hour away.
Harburg, Germany: 53.28 N. 9.59 E. 8, 10
Max. Size, etc.: See Hamburg.
Harcourt, see Port Harcourt.
Harderwijk, Netherlands: 52.20 N. 5.35 E. 7
Hardy, see Port Hardy.
Harfleur, France: 49.30 N. 00.05 E. 7
Hargshamn, Sweden: 60.10 N. 18.29 E. 10
Max. Size: Draft 10.4 m., LOA 185 m., beam 28 m. *Airport:* Stockholm, 100 km.
Harima Sea, Inland Sea, Japan 44
Harlingen, Netherlands: 53.10 N. 5.25 E. 10
Harmac, Br. Columbia, Canada: 49.08 N. 123.51 W. 56
Harmon, see Port Harmon.
Harnosand, Sweden: 62.38 N. 17.57 E. 9, 15
Max. Size: Up to 32 ft. 5 in. draft. Tankers: Draft 10 m., LOA 200 m., 30,000 d.w.t. *Fuel:* Available. *Dry Dock:* At Gustavsvik.
Harper, Liberia: 4.23 N. 7.43 E. 29
Harrington Harbour, Quebec, Canada: 50.30 N. 59.30 W. . . . 60
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Harrisville, Michigan, U.S.A.: 44.40 N. 83.20 W. 62
Harstad, Norway: 68.48 N. 16.39 E. 9, 15
Max. Size: Depths up to 36 ft. *Fuel:* All grades available. *Dry Docks:* 1 dry dock, capacity 8,000 d.w.t. *Airport:* Evenes, about 45 minutes (45 km.) drive.
Hartlepool, U.K.: 54.42 N. 1.12 W. 5, 6
Max. Size: LOA 190 m., beam 30.5 m., reduced draft of 7.92 m. *Fuel:* Available. *Airport:* Teeside.
Harwich, U.K.: 51.56 N. 1.15 E. 5, 7
(incl. Parkeston Quay)
Max. Size: Normally LOA 500 ft., draft 20 ft. *Fuel:* Can be arranged. *Airport:* Ipswich 22 miles.
Hasle, Denmark: 55.11 N. 14.42 E. 10
Hastings, see Western Port.
Hastings, U.K.: 50.51 N. 00.35 E. 5, 7
Hastings, see New York.
Hastings, see Port Hawkesbury.
Hasvik, Norway: 70.29 N. 22.10 E. 15
Ha Tien, Vietnam: 10.25 N. 104.30 E. 30
Haugesund, Norway: 59.25 N. 5.16 E. 9, 10
Max. Size: Depth alongside 6.4 m. – 15 m. *Fuel:* Available. *Airport:* Karmoy, 15 minutes.
Haukipudas, Finland: 65.12 N. 25.21 E. 15
Havana, Cuba: 23.09 N. 82.21 W. 69
Max. Size: Depth in channel 42 ft. (12.8 m.). Draft for tankers 37 ft. (11.28 m.). Draft general cargo vessels 33 ft. (10.06 m.). *Dry Docks:* Capacity 440 ft. (134 m.) length, 91 ft. (27.73 m.) breadth, up to 23 ft. (7.01 m.) draft. *Fuel:* Available. *Airport:* International, 15 km.
Havnso, Denmark: 55.45 N. 11.20 E. 11
Havoysund, Norway: 71.00 N. 24.40 E. 15
Havre Aupert, Quebec, Canada: 47.14 N. 61.50 W. 60
Havre de Grace, Maryland, U.S.A.: 39.32 N. 76.05 W. . . . 63, 65
Havre St. Pierre, Quebec, Canada: 50.14 N. 63.35 W. 60
Max. Size: 10,000 d.w.t., draft 28 ft. 6 in. *Fuel:* Lubricants only. *Dry Docks:* Les Mechins, 153 miles. *Airport:* Airstrip.
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Hawke Harbour, Newfoundland, Canada: 53.02 N. 55.47 W. 59
Hawkesbury, Ontario, Canada: 45.37 N. 74.37 W. 61
Hawkesbury, see Port Hawkesbury.
Hawkins Point, see Baltimore.
Hay Point, Queensland, Australia: 21.16 S. 149.18 E. 49
Max. Size: Hay Point: Depth 16.76 m. – 17.06 m. Dalrymple Bay: 200,000 d.w.t., depth 20 m. *Fuel:* No facilities. *Airport:* Mackay, 37 km.
Haydarpasa, Turkey: 41.00 N. 29.03 E. 25
Max. Size: Depth 5.5 m. – 12 m. *Fuel:* Available. *Airport:* Istanbul, 20 km.
Hayle, see St. Ives.
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Hearts Content, Newfoundland, Canada: 47.53 N. 53.23 W. . . 60
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Heimaey, Iceland: 63.26 N. 20.17 W. 17
Hekkelstrand, see Ballangen.
Hel, Poland: 54.35 N. 18.50 E. 10

Helensburgh, U.K.: 56.00 N. 4.44 W. 5
Helensville, New Zealand: 36.40 S. 174.28 E. 52
Heligoland Is., Germany: 54.11 N. 7.53 E. 10
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Hellerup, see Copenhagen.
Hellnas, Finland: 63.17 N. 22.14 E. 15
Hellville, see Nossi-Be.
Helmi, see Raahe.
Helmsdale, U.K.: 58.07 N. 3.39 W. 5
Helsingborg, Sweden: 56.03 N. 12.41 E. 9, 10, 11
Max. Size: LOA 220 m., draft 7 m. – 11.7 m. Tankers: Draft 10.5 m. *Fuel:* All grades. *Dry Docks:* Length 354 ft. *Airport:* Kastrup 60 km., Angelholm 30 km.
Helsingor, Denmark: 56.02 N. 12.37 E 9, 10, 11
Max. Size: Up to 21 ft. 6 in. draft. *Fuel:* Not available. *Dry Docks:* Dock No. 1: 155 m. long, 21.5 m. wide, 6.4 m. depth. *Airport:* 1 hour by car to Copenhagen.
Helsinki, Finland: 60.10 N. 24.57 E. 9, 10
Max. Size: Draft 31 ft. Tankers: Up to 9.6 m. draft. *Fuel:* All grades. *Dry Docks:* Length 208 m., breadth 34 m. Depth on sill 9.6 m. *Airport:* 25 km.
Helville, see Nossi-Be.
Helvoet, Netherlands: 51.49 N. 4.08 E. 7
Hemixem, Belgium: 51.09 N. 4.20 E. 7
Max. Size: See Brussels, Antwerp.
Hemnesberget, Norway: 66.14 N. 13.37 E. 15
Henderson Island, Pitcairn Is., (U.K.): 24.15 S. 128.10 W. 48
Henecan, see San Lorenzo, Honduras.
Hennebont, France: 47.49 N. 3.17 W. 19
Henzada, Myanmar: 17.40 N. 95.29 E. 38
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Heraklion, see Iraklion.
Heranza Is., see Kin Wan.
Herbillon, see Chetaibi.
Herceg-Novi, see Zelenika.
Hercules, see San Francisco.
Hereke, Turkey: 40.42 N. 29.37 E. 25
Max. Size: Depth 17.0 m. *Fuel:* From Istanbul by barge only. *Dry Docks:* None. *Airport:* Istanbul, 100 km.
Herm Is., Channel Islands, (U.K.): 49.29 N. 2.27 W. 7, 19
Hermit Is., Papua New Guinea: 1.33 S. 145.05 E. 45
Hernosund, see Harnosand.
Heron Bay, Ontario, Canada: 48.39 N. 86.20 W. 62
Heroya, Norway: 59.07 N. 9.38 E. 10
(incl. Porsgrunn: 59.08 N. 9.39 E.) *Max. Size:* Depth 26 ft. – 27 ft. Norsk Hydro: 20,000 d.w.t., draft 26 ft. – 34 ft. 6 in. *Fuel:* All grades. *Dry Docks:* Draft 14 ft., LOA 155 m., breadth 20 m.
Herrang, Sweden: 60.09 N.18.39 E. 10
Herrero Point, Mexico: 19.30 N 87.25 W. 69
Herruda Bay, see Guayacan.
Herrttomiemi Harbour, see Helsinki.
Hertford, North Carolina, U.S.A.: 36.11 N. 76.28 W. 63
Hervey Is., Cook Is., (New Zealand): 19.20 S. 158.45 W. 48
Heungnam, N. Korea: 39.50 N. 127.45 E. 41, 42
Max. Size: Draft 25 ft.
Heybeli, Turkey: 40.53 N. 29.06 E. 25
Heysham, U.K.: 54.02 N. 2.55 W. 5
Max. Size: LOA 525 ft. (160 m.), draft 17 ft. *Fuel:* Gas oil by road. *Airport:* Liverpool and Manchester; 60 miles.
Hiakari, see Kokura.
Hibi, Japan: 34.27 N. 133.56 E. 44
Max. Size: LOA 176 m., draft 12 m., 30,000 d.w.t. Also see Uno.
Hibikinada, Japan: 33.57 N. 130.50 E. 43, 44
Max. Size: LOA 350 m., draft 13.0 m., 150,000 d.w.t. *Fuel:* Available. *Dry Docks:* Available.
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Hiji, Japan: 33.22 N. 131.31 E. 44
Hiketa, Japan: 34.15 N. 134.25 E. 44
Hikoshima, see Shimonoseki.
Hillsborough, New Brunswick, Canada: 45.56 N. 64.39 W. 60
Hilo, Hawaii, U.S.A.: 19.46 N. 155.06 W. 48
Max. Size: Draft up to 32 ft. 6 in. *Fuel:* Can be supplied. *Airport:* 1 mile from Hilo.
Himanka, Finland: 64.05 N. 23.35 E. 15
Himeji, Japan: 34.47 N. 134.41 E. 42, 44
Max. Size: Sea Buoy Mooring: Draft 19.2 m., 254,000 d.w.t. Oil Jetty: Draft 11.8 m. *Fuel:* All grades will be lightered from nearest bunker stock ports. *Dry Docks:* Nearest Aioi, capacity 300,000 d.w.t. *Airport:* 60 km. (Itami).
Hinatuan, Mindanao, Philippines: 8.21 N. 126.20 E. 46
Hinchinbrook Is., see Lucinda.
Hinlopen Strait 17
Hinnoy, see Lofoten Is.
Hirado Is., Japan 44
Hirao, Japan: 33.55 N. 132.03 E. 44
Hirohata, Japan: 34.45 N. 134.38 E. 44
Max. Size: Draft 16 m., LOA 320 m. *Fuel, etc:* See Himeji.
Hiroo, Japan, see Tokachi.
Hiroshima, Japan: 34.20 N. 132.25 E. 42, 44
Max. Size: Draft 9.7 m. *Fuel:* Most grades available. *Dry Docks:* Largest: Capacity 10,300 g.t., length 154 m., breadth 22 m. *Airport:* Hiroshima, Domestic only.
Hirtshals, Denmark: 57.35 N. 9.59 E. 10
Hitachi, Japan: 36.30 N. 140.37 E. 42
Max. Size: Draft 8.5 m. *Fuel:* Bonded oil from Yokohama.
Hitra, Norway: 63.28 N. 8.46 E. 15
Hiuchi Sea, Inland Sea, Japan 44
Hiva Oa, Marquesas, French Polynesia 48
Hiwasi, Japan: 33.42 N. 134.32 E. 44
Ho Chi Min City, Vietnam: 10.45 N. 106.45 E. 38
Max. Size: LOA 754 ft., draft 31 ft. Tankers: Depth 27 ft. – 40 ft. *Fuel:* Available. *Airport:* Tan Son Nhat, 5 miles.
Hobart, Tasmania, Australia: 42.53 S. 147.20 E. 49
(Including Risdon: 42.50 S., 147.20 E. and Electrona: 43.02 S. 147.16 E.) *Max. Size:* Risdon: Draft 35 ft. (10.7 m.), beam 100 ft. Self's Pt. Oil Wharf: Depth 14 m. Macquarie No. 4: Draft 42 ft. (12.6 m.). *Fuel:* Marine fuel oil, light diesel and gas oil. *Dry Dock (Slip):* Available for vessels up to 1,200 tons displacement. *Airport:* 11 miles, connects Melbourne/Sydney and New Zealand.
Hoboken, New Jersey, U.S.A.: 40.45 N. 74.01 W. 63
(incl. Weehauken: 40.47 N. 74.01 W.) *Max. Size:* See New York.
Hobro, Denmark: 56.38 N. 9.48 E. 10, 11
Hochdonn, Germany: 54.01 N. 9.18 E. 12
Hodeidah, Yemen: 14.48 N. 42.55 E. 31, 32
Max. Size: Draft 30 ft. *Fuel:* Small quantities of diesel oil. *Airport:* International.
Hofn, see Hornafjord.
Hog Island, see Philadelphia.
Hog Island Channel, Cape Cod Canal, U.S.A. 64
Hoganas, Sweden: 56.12 N. 12.33 E. 10, 11
Max. Size: LOA 130 m., draft 7.4 m. *Fuel:* Can be supplied.
Hojer, Denmark: 54.59 N. 8.42 E. 10
Hokitika, New Zealand: 42.42 S. 171.00 E. 52
Hokkaido, Japan 42
Holbaek, Denmark: 55.43 N. 11.43 E. 10, 11
Max. Size: Draft 6.3 m. *Fuel:* Available. *Airport:* Copenhagen, 70 km.
Holehaven, see Canvey.
HOLLAND, see NETHERLANDS
Holland, Michigan, U.S.A.: 42.48 N. 86.08 W. 62
Holland, see Port Holland.
Holm, Norway: 65.05 N. 12.20 E. 15
Holmestrand, Norway: 59.29 N. 10.19 E. 8, 10
Holmsund, Sweden: 63.41 N. 20.21 E. 15
Max. Size: Draft 5.5 m. Also see Umea.
Holsteinsborg, see Sisimiut.
Holtenau, Kiel Canal, Germany: 54.22 N. 10.09 E. 10, 11, 12
Max. Size: Draft: 9.7 m. – 9.5 m. in Kiel Canal. *Fuel:* Available.
Holyhead, U.K.: 53.19 N. 4.41 W. 5
Max. Size: Inner Harbour: Draft 4.5 m. Outer Harbour dredged to 13.5 m. at MLWS. *Fuel:* Fuel and diesel oil. *Airport:* RAF Station – Valley, Anglesey (6 miles away).
Holy Island, U.K.: 55.40 N. 1.45 W. 5
Holyrood, Newfoundland, Canada: 47.23 N. 53.08 W. 60
Max. Size: Depth 34 ft. 6 in. (HW), 32 ft. (LW). See also St. John's.
Homer, Alaska, U.S.A.: 59.36 N. 151.25 W. 54
Max. Size: Draft for berthing 30 ft. at MLLW. *Fuel:* Available for small craft only. *Airport:* Daily air service.
Hommelvik, Norway: 63.27 N. 10.50 E. 15
Homs, Libya: 32.38 N. 14.15 E. 24
Hon Chong, Vietnam: 10.12 N. 104.38 E 38
Honam, see Inchon.
Honavar, India: 14.16 N. 74.27 E. 37
Max. Size: Vessels up to 34 ft. draft can anchor within 2 to 3 miles from entrance. *Fuel:* Not available. *Airport:* Belgaum, about 178 miles.
Hondagua, Luzon, Philippines: 13.56 N. 122.14 E. 46
Max. Size: LOA 500 ft., depth 28 ft. – 39 ft. *Airport:* Manila, 6 hours by train.
HONDURAS 69
Honduras, see Santa Cruz de Tenerife.
Honfleur, France: 49.25 N. 00.14 E. 7, 8
Max. Size: LOA 200 m., draft up to 8.0 m., depending on tide and berth. Tankers: 35,000 tons. *Fuel:* Available. *Airport:* Deauville-St. Gatien, 12 km.

HONG KONG, (U.K.): 22.18 N. 114.10 E. **1, 38, 41, 47**
Max. Size: Dry-cargo with drafts up to 38 ft. Tankers: Draft 48 ft. No limit as to length and beam. *Fuel:* Excellent facilities. *Dry Docks:* Largest floating dock, capacity 45,000 tonnes. *Airport:* Regular international flights.
Hon Gay, Vietnam: 20.57 N. 107.04 E. **38**
Max. Size: LOA 185 m., draft 10.5 m. *Fuel:* Available. *Dry Docks:* Max. 10,000 d.w.t. *Airport:* Noi Bai, 140 km.
Honguedo Passage, Gulf of St. Lawrence, Canada **60**
Honiara, Solomon Islands: 9.25 S. 159.58 E. **48**
Max. Size: LOA 650 ft., draft 29 ft. Tankers mooring at buoys: LOA 600 ft., draft 27 ft. 6 in. *Fuel:* Diesel and gas oil available. *Airport:* 10 miles from the wharf.
Honningsvaag, Norway: 70.59 N. 26.00 E. **9, 15**
Honolulu, Hawaii, U.S.A.: 21.19 N. 157.52 W. **48**
(Including Barbers Point: 21.18 N. 158.06 W., and Pearl Harbour: 21.19 N. 157.57 W.)
Max. Size: Harbour: Depth 40 ft. Tankers: Honolulu, draft 36 ft. Pearl Harbour (U.S. Navy Terminal) LOA 800 ft., draft 38 ft. 6 in. Barber's Point, HIRI – 150,000 d.w.t., LOA 945 ft., depth 90 ft. Chevron – 125,000 d.w.t., LOA 1,000 ft., draft 50 ft. *Fuel:* All U.S. grades available. *Dry Docks:* 7,875 l/ton lifting capacity, 385 ft.×56 ft. *Airport:* International airport, 5 miles from harbour.
Honsater, Sweden: 58.38 N. 13.26 E. **10**
Honshu, Japan **42, 44**
Hood, see Port Hood.
Hood Bay, Alaska, U.S.A.: 57.24 N. 134.30 W. **56**
Hoodsport, Washington, U.S.A.: 47.25 N. 123.08 W. **56**
Hook of Holland, Netherlands: 52.00 N. 4.07 E. **7, 8**
Hoonah, Alaska, U.S.A.: 58.07 N. 135.27 W. **56**
Hooper Bay, Alaska, U.S.A.: 61.25 N. 165.00 W. **54**
Hoorn, Netherlands: 52.40 N. 5.05 E. **7**
Hopa, Turkey: 41.25 N. 41.24 E. **26**
Max. Size: Depths to 10 m. *Fuel:* Available. *Dry Docks:* None. *Airport:* Trabzon, 185 km.
Hope, see Port Hope.
Hope Point, Alaska, U.S.A.: 68.34 N. 166.50 W. **54**
Hope Simpson, see Port Hope Simpson.
Hopedale, Newfoundland, Canada: 55.27 N. 60.13 W. **59**
Hopen Is., Norway: 76.30 N. 25.30 E. **17**
Hopetoun, W.A., Australia: 33.57 S. 120.08 E. **69**
Hopewell, Virginia, U.S.A.: 37.17 N. 77.16 W. **63, 65**
Hopewell Is., N.W. Territories, Canada **59**
Hoquiam, Washington, U.S.A.: 46.58 N. 123.55 W. **56**
Horie, see Masuyama.
Hormuz Is., Iran: 27.08 N. 56.28 E. **35**
Hornafjord, Iceland: 64.16 N. 15.13 W. **17**
Hornefors, Sweden: 63.37 N. 19.54 E. **15**
Max. Size: LOA 110 m., draft 5.8 m. Port not operating. *Fuel:* Must be ordered from Holmsund. *Airport:* Internal, 25 km.
Hornillo, see Aguilas.
Hornum, Germany: 54.44 N. 8.17 E. **10**
Horsens, Denmark: 55.52 N. 9.52 E. **10, 11**
Max. Size: LOA approx. 500 ft., beam approx. 70 ft.; draft approx. 22 ft. *Fuel:* All types. *Airport:* 50 km.
Horseshoe Bay, British Columbia, Canada: 49.23 N.123.15 W. **56**
Horta, Faial Is., Azores, (Portugal): 38.32 N. 28.38.W. **20**
Max. Size: Berthing: Draft 22 ft. Depth at buoy moorings: 33 ft. *Fuel:* Gas oil and gasoline at quay. *Airport:* 10 km.
Horten, Norway: 59.24 N. 10.28 E. **8, 9, 10**
Max. Size: LOA 900 ft., draft 28 ft. *Fuel:* All grades. *Dry Docks:* Up to about 60,000 d.w.t. *Airport:* Oslo.
Hososhima, Japan: 32.25 N. 131.41 E. **42, 44**
Max. Size: LOA 170 m., draft 31 ft. 10 in. (9.7 m.) *Fuel:* All grades will be lightered from the nearest stock ports. *Dry Docks:* None. *Airport:* Miyazaki Airport, 2 hours' drive.
Hoste Is., Argentina **72**
Houghton, Michigan, U.S.A.: 47.06 N. 88.34 W. **62**
Houhora, New Zealand: 34.49 S. 173.09 E. **52**
Houma, Louisiana, U.S.A.: 29.35 N. 90.44 W. **66**
Hound Point, U.K.: 56.00 N. 3.22 W. **5, 6**
Max. Size: Draft 21.64 m. (Spring tides), 300,000 d.w.t.
Houston, Texas, U.S.A.: 29.45 N. 95.20 W. **55, 66**
Max. Size: LOA 850 ft., beam 115 ft., draft 39 ft. *Fuel:* All grades. *Dry Docks:* 14,000 ton dry dock (length 400 ft.) in Ship Canal. *Airport:* 30 minutes by car.
Hov, Denmark: 55.55 N. 10.16 E. **11**
Hovic, see Limetree Bay.
Hovid, (Alno Is.), Sweden: 62.28 N. 17.23 E. **15**
(incl. Nyvik: 62.27 N. 17.24 E., Alvik: 62.25 N. 17.25 E., Karlsvik: 62.23 N. 17.26 E., Myrnas: 62.22 N. 17.26 E.)
Howdendyke, U.K.: 53.45 N. 0.52 W. **6**
Max. Size: 3,000 d.w.t. *Fuel:* Available. *Airport:* 44 miles.
Howland Hook, see New York.
Howland Is., (U.S.A.): 0.48 N. 176.28 W. **48**
Howrah, India: 22.35 N. 88.30 E. **37, 38**
Howth, Eire: 53.23 N. 6.04 W. **5**
Max. Size: Depth 4.8 m. *Fuel:* By road tanker. *Airport:* Dublin, 14 km.
Hoy, U.K.: 58.50 N. 3.13 W. **5**
Hoyanger, Norway: 61.10 N. 6.04 E. **15**
Max. Size: Length of quay 600 ft. Depth 36 ft.
Hsia Men, see Xiamen.
Hsingkang, see Xiang Jiang.
Hsu Wen, China: 20.02 N. 110.05. E **38**
Huacho, Peru: 11.07 S. 77.37 W. **72**
Max. Size: Anchorage port. *Fuel:* Not available.
Huahine Is., Society Is., French Polynesia:
16.46 S. 151.00 W. **48**
Hualien, Taiwan: 23.59 N. 121.38 E. **41, 45**
Max. Size: Draft 10.5 m. *Fuel:* Marine Diesel Light, Marine Diesel Heavy, Fuel Oil and MF. *Airport:* Domestic connection to Taipei and Kaohsiung, 10 km.
Huang Ho Delta, China **41**
Huang Kang, China: 23.39 N. 116.58 E. **38, 41**
Huangpu, see Guangzhou.
Huangshi, China: 30.12 N. 115.04 E. **41**
Huarmey, Peru: 10.06 S. 78.10 W. **72**
Max. Size: Anchorage port. *Fuel:* Not available.
Huasco, Chile: 28.27 S. 71.14 W. **72**
Max. Size: LOA 315 m., beam 47.5 m., draft 25 m. Tankers: LOA 230 m., draft 13.5 m. *Fuel:* Diesel available. *Airport:* Vallenar, 52 km.
Hudiksvall, Sweden: 61.44 N. 17.07 E. **9, 15**
Max. Size: 16,000 d.w.t., LOA 160 m., draft 8.7 m. Tankers: 45,000 d.w.t., LOA 210 m., draft 10 m. *Fuel:* Available. *Airport:* Local airport connects with Stockholm.
Hudson, Quebec, Canada: 45.28 N. 74.08 W. **61**
Hudson Bay, Canada **1, 53, 59**
Hudson River, see New York.
Hudson Strait, Canada **17, 59**
Hue, Vietnam: 16.30 N. 107.32 E. **38**
Huelva, Spain: 37.16 N. 6.55 W. **20, 22**
Max. Size: Draft 37 ft. up to 41 ft. 08 in., depending on tide. Tankers: LOA 200 m., draft 12 m. SBM: LOA 900 ft., draft 70 ft. (SW). *Fuel:* Fuel oil and diesel available. *Dry Docks:* Up to 3,500 g.r.t. *Airport:* Seville – San Pablo, 100 km.
Hueneme, California, U.S.A.: 34.09 N. 119.12 W. **55, 57**
Max. Size: Berth length 600 ft., depth 35 ft. MLW. *Fuel:* Diesel oil and bunker fuel. *Airport:* Los Angeles.
Huesvik, South Georgia, (U.K.): 53.45 S. 36.50 W. **72**
Hugh Town, (St. Mary, Scilly Is.), U.K.: 49.55 N.6.18.W. . . . **5, 19**
Hulaylah Terminal, U.A.E.: 25.58 N. 55.56 E. **35**
Max. Size: 300,000 d.w.t. *Fuel:* At anchor only. *Airport:* Ras al Khaimah and Dubai.
Hull, Quebec, Canada: 45.26 N. 75.43 W. **61**
Hull, U.K.: 53.44 N. 00.14 W. **5, 6**
Max. Size: LOA 196 m., beam 25.5 m., draft 10.4 m. at springs. Tankers: LOA 214 m., draft 10.4 m. *Fuel:* Fuel oil, gas oil and diesel. *Dry Docks:* Length 137 m., width 15.2 m. *Airport:* Humberside.
Hull Is., Phoenix Is., Kiribati: 4.30 S. 172.15 W. **48**
Hu Lu Tao, China: 40.44 N. 121.00 E. **41**
Humacao, Puerto Rico: 18.09 N.65.45.W. **69**
Humaita, Brazil: 7.32 S. 63.03 W. **72**
Humbermouth, see Corner Brook.
Humbolt Bay, see Eureka.
Hundersted, Denmark: 55.58 N. 11.51 E. **11**
Hungnam, see Heungnam.
Hunstanton, U.K.: 52.58 N. 00.30 E. **7**
Hunter Is., New Caledonia, (France): 22.23 S. 172.05 E. **48**
Hunterston, U.K.: 55.42 N. 4.54 W. **5, 6**
Max. Size: 350,000 d.w.t., draft 26 m. *Fuel:* All grades. *Airport:* Glasgow.
Huntington Beach, California, U.S.A.:
33.38 N. 118.00 W. **55, 57, 58**
Max. Size: (Offshore) LOA 1,000 ft., beam 150 ft., draft 43 ft. *Fuel:* Not available.
Huon, see Port Huon.
Huonville, see Port Huon.
Hurghada, Egypt: 27.14 N. 33.50 E. **32**
Huron, Ohio, U.S.A.: 41.24 N. 82.35 W. **55, 62**
Max. Size: LOA 716 ft., beam 75 ft., draft 26 ft. *Fuel:* Not available. *Airport:* Cleveland, 50 miles.
Huron, see Port Huron.
Husavik, Iceland: 66.03 N. 17.21 W. **17**
Husevig, Faeroe Islands, (Denmark): 61.50 N. 6.30 W. **5**
Husnes, Norway: 59.52 N. 5.46 E. **10**
Max. Size: 70,000 tons, depth 10 m. – 17 m. *Fuel:* Not available. *Airport:* Bergen-Flesland, 2 – 2.5 hours by hydrofoil, 0.5 hours by plane. Haugesund, 3 hours by car.

Husum, Sweden: 63.20 N. 19.09 E. 10
Max. Size: Draft 10.6 m. *Fuel:* All grades.
Airport: 15 minutes by car.
Husum, Germany: 54.30 N. 9.05 E. 11, 15
Hvar, Yugoslavia: 43.08 N. 16.26 E. 24
Hyannis, Massachusetts, U.S.A.: 41.39 N. 70.17 W. 63
Hydaburg, Alaska, U.S.A.: 55.11 N. 132.50 W. 56
Hyder, Alaska, U.S.A.: 55.55 N. 130.01 W 56
Hydra, see Idhra.
Hyeres, France: 43.07 N. 6.10 E. 22
Hyeres Is., France 22
Hythe, Australia, see Dover.

NOTES, ADDITIONS, CORRECTIONS

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I

Iba, Luzon, Philippines: 15.20 N. 120.00 E. 45, 46
Ibicuy, see Puerto Ibicuy.
Ibiza, Spain: 38.54 N. 1.28 E. 21, 22
Max. Size: LOA 135 m., draft 21 ft. *Fuel:* Available.
Airport: 8 km.
Ibo, Mozambique: 12.21 S. 40.37 E. 30
ICELAND 17
Icoarcy, see Belem.
Icy Cape, Alaska, U.S.A.: 70.18 N. 161.45 W. 54
Idhra Is., Greece: 37.21 N. 23.28 E. 24, 25
Idi, Indonesia: 5.00 N. 97.46 E. 38, 39
Ierapetra, (Crete), Greece: 35.00 N. 25.45 E. 25, 26
Ierseke, Netherlands: 51.30 N. 4.03 E. 7
Ifalik, Caroline Is., Micronesia: 7.15 N. 144.26 E. 45
Igarka, U.S.S.R.: 67.27 N. 86.35 E. 16
Max. Size: LOA 150 m., draft 7.3 m. *Fuel:* Not always available. *Airport:* 1.5 km., connects with Krasnogarsk
Igdlorssuit, Greenland, (Denmark): 71.14 N. 53.31 W. 17
Iggesund, Sweden: 61.38 N. 17.07 E. 15
Max. Size: Draft 7.3 m. (MW), LOA 150 m.
Fuel: etc., see Hudiksvall.
Igneada, Turkey: 41.51 N. 28.00 E. 26
Igoumenitsa, Greece: 39.31 N. 20.17 E. 25
Iguazu, Brazil: 25.33 S. 54.33 W. 72
Iho, Japan: 34.45 N. 134.46 E. 44
(Port closed 1973).
Ijmuiden, see Ymuiden.
Ijsselmeer, Netherlands 7, 8, 10
Ikang, Nigeria: 4.49 N. 8.30 E. 28
Ikaria Is., Greece 25, 26
Ikeja, Nigeria: 6.32 N. 3.15 E. 28
Ikerasak, Greenland, (Denmark): 70.29 N. 51.19 W. 17
Iki Channel 44
Iki Is., Japan 44
Ile de Groix, France 19
Ile de Re, France 19
Ile de Yeu, France 19
Ile d'Oleron, France 19
Ile du Coin, see Peros Banhas.
Ile Rousse, (Corsica), France: 42.39 N. 8.56 E. 24
Max. Size: Draft 5 m., LOA 160 m. *Fuel:* Not available.
Ile Verte, Quebec, Canada: 48.02 N. 69.25 W. 60
Iles de Horne, see Futuna Is.
Iles de Los, see Conakry.
Iles de Salut, Guyane: 5.16 N. 52.36 W. 72
Iles des Saintes, (France): 15.52 N. 61.35 W. 69
Iles Gambier, (France) 48
Iles Glenans, France: 47.43 N. 3.58 W. 19
Ilfracombe, U.K.: 51.12 N. 4.07 W. 5, 6
Ilha Barnabe, see Santos.
Ilha Grande, see Angra dos Reis.
Ilha Guauba, see Sepetiba Terminal.
Ilheus, Brazil: 14.47 S. 39.02 W. 72
Max. Size: Depth 10 m. *Fuel:* Available. *Airport:* 3 km.
Ilichevsk, U.S.S.R.: 46.19 N. 30.40 E. 26
Max. Size: Draft 11.8 m., unless by permission, LOA 280 m.
Fuel: Bunkers available. *Dry Docks:* Odessa, Floating dock, 250 m. length, 18 m. depth. *Airport:* Odessa, 30 km.
Iligan, Mindanao, Philippines: 8.14 N. 124.14 E. 45
Max. Size: LOA 240 m., draft 25 ft., 15,000 d.w.t.
Fuel: Bunkers available. *Airport:* Baloi, 15 km.
Ilinskiy, U.S.S.R.: 47.59 N. 142.12 E. 42
Iliodhromia Is., Greece: 39.10 N. 23.55 E. 25
Ilistoe, see Saimaa Canal.
Illinois, U.S.A 62
Ilo, Peru: 17.39 S. 71.21 W. 72
(incl. Punta Tablones)
Max. Size: Depth alongside from 18 ft. to 60 ft. Tankers: Depth 40 ft. Punta Tablones: Tankers – LOA 750 ft., depth 40 ft.
Fuel: Not available. *Airport:* Ilo, 8 km.
Iloilo, Panay, Philippines: 10.41 N. 122.35 E. 45, 46
Max. Size: Draft 33 ft. at MLLW. *Fuel:* All viscosities available. *Dry Docks:* Length 587 ft., width 56 ft. *Airport:* 7 km., connects with Manila.
Ilulissat, Greenland, (Denmark): 69.13 N. 51.06 W. 17
Max. Size: Largest vessel to berth, LOA 100 m., draft 6.8 m., depth alongside 8.0 m. *Airport:* Heliport.
Ilwaco, Washington, U.S.A.: 46.18 N. 124.03 W. 57
Ilwaki, Indonesia: 7.54 S. 126.30 E. 45
Imabari, Japan: 34.04 N. 133.00 E. 44
Max. Size: Wharf length 110 m., draft 7 m. *Fuel:* All grades of bonded bunkers are stocked in Tokyo Bay, Ise Bay, Osaka Bay and Kanmon Port. *Dry Docks:* Nearest Innoshima.
Airport: Nearest Matsuyama.
Imahuru, see Imabari.

Imam Hasan, Iran: 29.51 N. 50.14 E. 35

Imari, Japan: 33.18 N. 129.49 E. 42, 44
Max. Size: Draft 12 m., 60,000 d.w.t *Fuel:* Bonded oil from Moji/Nagasaki..

Imatra, Finland: 61.12 N. 28.47 E. 13
Max. Size: See Saimaa Canal.

Imbituba, Brazil: 28.14 S. 48.39 W. 72
Max. Size: LOA 200 m. draft 31 ft. *Fuel:* Available.
Airport: Florianopolis, 100 km.

Imbros Is., Greece 25, 26

Immingham, U.K.: 53.37 N. 00.12 W. 5, 6
Max. Size: Immingham Dock: LOA 198 m., beam 26.2 m., draft 10.36 m. Tankers: 250,000 d.w.t. *Fuel:* All grades.
Dry Docks: Length 225.6 m., width 17.1 m.
Airport: Humberside.

Immola, Finland: 61.15 N. 28.52 E 13
Max. Size: See Saimaa Canal.

Imperatriz, Brazil: 5.30 S. 47.30 W. 72

Imperia, Italy: 43.53 N. 8.02 E. 24

Imrali Is., Turkey: 40.32 N. 28.32 E. 25

Imroz, see Imbros.

Inagua Islands, Bahamas 69

Ince, U.K.: 53.17 N. 2.51 W. 5
Max. Size: See Manchester.

Inchon, South Korea: 37.28 N. 126.37 E. 41
Max. Size: 50,000 d.w.t., depth 14.5 m. Tankers: Up to 50,000 d.w.t., depth 50 ft. *Fuel:* Available. *Airport:* 20 miles (International).

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Indian Bay, Newfoundland, Canada: 49.01 N. 53.44 W. 60

Indian Harbour, Newfoundland, Canada: 54.27 N. 57.13 W. 59

Indiana, U.S.A. 62

Indiana Harbour, see Buffington.

Indiga, U.S.S.R.: 67.45 N. 48.50 E. 16

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Inebolu, Turkey: 41.59 N. 33.45 E. 26

Infierno Channel, River Plate 75

Inga, see Inkoo.

Ingeniero, see La Plata.

Ingeniero White, see Bahia Blanca.

Ingleside, Texas, U.S.A.: 27.51 N. 97.14 W. 66

Inglez, see Porto Inglez.

Ingonish, Nova Scotia, Canada: 46.39 N. 60.23 W. 60

Inhambane, Mozambique: 23.53 S. 35.23 E. 30

Inkoo, Finland: 60.01 N. 23.55 E. 10
Max. Size: Draft 13 m.

Inland Sea, Japan 42, 44

Innisfail, Queensland, Australia: 17.32 S. 146.02 E. 49

Innoshima, Japan: 34.17 N. 133.11 E. 44
Max. Size: Draft for entering port 9 m. For mooring – LOA 320 m., beam 50 m., draft 7 m. *Fuel:* All grades of bonded bunkers are stocked in Tokyo Bay, Ise Bay, Osaka Bay and Kanmon Port. *Dry Docks:* Largest 130,000 d.w.t.
Airports: Hiroshima or Okayama (2 hours).

Inokuchi, see Omishima.

Inoucdjouac, Quebec, Canada: 58.28 N. 78.15 W. 59

Inspection Head, see Bell Bay.

International Rapids Section, St. Lawrence Seaway 61

Inuvik, N.W. Territories, Canada: 68.20 N. 133.42 W. 59

Inveraray, U.K.: 56.14 N. 5.05 W. 5

Invercargill, New Zealand: 46.25 S. 168.25 E. 52

Invergordon, U.K.: 57.41 N. 4.10 W. 5
Max. Size: LOA 800 ft., draft 36 ft. *Fuel:* Delivery by road tanker only. *Airport:* Dalcross, 30 miles.

Inverkeithing, U.K., see Rosyth.

Inverloch, Victoria, Australia: 38.38 S. 145.45 E. 49, 50

Inverness, U.K.: 57.29 N. 4.14 W. 5
Max. Size: LOA 300 ft., draft 20 ft. (HWS) *Fuel:* Marine diesel and petroleum. *Airport:* Dalcross, 7 miles.

Ioco, British Columbia, Canada: 49.18 N. 122.53 W. 56

Iokanka, see Gremikha.

Iona, Nova Scotia, Canada: 45.58 N. 60.48 W. 60

Ionian Is., Greece 21, 24, 25

Ionian Sea, Greece 21, 24, 25

Ios, Ios Is., Greece: 36.43 N. 25.17 E. 25

Ipala, Mexico: 20.05 N. 105.30 W. 57

Ipswich, U.K.: 52.03 N. 1.10 E. 5, 7
Max. Size: LOA 140 m., draft 7.7 m. *Fuel:* All grades.
Airport: Ipswich, 2 miles.

Iqaluit, N.W.T., Canada: 63.44 N. 68.32 W. 59
Max. Size: General cargo: Up to 12,000 tons.
Tankers: Up to 9.1 m. draft. *Fuel:* Supplied in emergency.
Airport: 0.8 km. from landing beach, 5 flights weekly to and from Montreal.

Iquique, Chile: 20.12 S. 70.09 W. 72
Max. Size: Draft 9.0 m. Tankers: LOA 228 m., draft 12.6 m., 70,000 d.w.t.. *Fuel:* Available. *Airport:* Chucumata, 30 minutes by car.

Iquitos, Peru: 3.45 S. 73.09 W. 72

Iradier, see Puerto Iradier.

Iraklion, (Crete), Greece: 35.20 N. 25.10 E. 21, 25, 26
Max. Size: LOA 250 m., draft 29 ft. 6 in. *Airport:* 5 km.

IRAN 31, 35

IRAQ 31, 35

IRELAND, REPUBLIC OF, see **EIRE**

Ireland Is., Bermuda, (U.K.) 63

Irene, see Port Irene.

Irian Jaya, Indonesia 45

Irionote Is., Ryukyu Islands, Japan: 24.20 N. 123.47 E. . . . 41, 45

Irish Sea 5

Irlam, see Barton.

Iroquois Lock, see St. Lawrence Seaway.

Irrawaddy Delta, Myanmar 38

Irvine, U.K.: 55.38 N. 4.40 W. 7

Isaac, see Port Isaac.

Isaacs Harbour, Nova Scotia, Canada: 45.10 N. 61.40 W. 60

Isabel, see Port Isabel.

Isabel, see Prinzapolca.

Isabel, Leyte, Philippines: 10.54 N. 124.25 E. 46
Max. Size: Depth 12 m. *Fuel:* Available by barge from Cebu.
Airport: Tacloban.

Isabela, Basilan, Philippines: 6.43 N. 121.56 E. 45, 46

Isabela De Sagua, Cuba: 22.52 N. 80.00 W. 69
Max. Size: Draft 23 ft., LOA 500 ft. *Fuel:* Not available.

Isabela Is., (Galapagos Islands), Ecuador 69

Isachenko Is., U.S.S.R.: 77.15 N. 89.30 E. 16

Isafjord, Iceland: 66.05 N. 23.06 W. 17
Max. Size: Dry cargo up to 4,000 g.r.t. Tankers up to 30 ft. draft.
Fuel: All grades available. *Dry Docks:* 1 small. *Airport:* 2 miles.

Ischia Is., Italy: 40.45 N. 13.57 E. 24

Isdemir, Turkey: 36.43 N. 36.11 E. 26
Max. Size: 150,000 d.w.t., draft 16 m. *Airport:* See Iskenderun.

Ise, Japan: 34.26 N. 136.45 E. 42

Isfjord, Spitsbergen, (Norway) 17

Ishigaki Is., Ryukyu Islands, Japan: 24.26 N. 124.10 E. . . . 41, 45

Ishinomaki, Japan: 38.23 N. 141.19 E. 42
Max. Size: Channel depth 10 m. LW. Max. draft 10 m.
Fuel: Bonded oil from Shiogama.

Isigny, France: 49.19 N. 1.06 W. 7

Iskenderun, Turkey: 36.35 N. 36.10 E. 26
Max. Size: At anchorage: No limitations. Alongside: LOA 180 m., draft 30 ft. Tankers: 50,000 d.w.t., depth 12 m.
Fuel: Available. *Airport:* Adana, 147 km., connects with Istanbul.

Iskrovka, U.S.S.R.: 60.45 N. 28.30 E. 10

Isla Cristina, Spain: 37.12 N. 7.19 W. 20

Isla d'Agua, see Rio de Janeiro.

Isla de Pinos, see Nueva Gerona.

Islands of the Four Mountains, (Aleutian Is.), Alaska, U.S.A. . 54

Islas des Roques, Venezuela: 11.50 N. 66.45 W. 74

Islay, U.K.: 55.45 N. 6.10 W. 5

Isle of Grain, U.K.: 51.26 N. 00.43 E. 6, 7
Max. Size: 40,000 d.w.t., LOA 250 m.
Fuel: Gas oil, fuel oil by barge.

Isle of Man, (U.K.) 5

Isle of Pines, see Kuto.

Isle of Sheppey, U.K. 7

Isle of Wight, U.K. 5, 7

Isle Royale, Michigan, U.S.A. 62

Isle Verte, Quebec, Canada: 48.00 N. 69.32 W. 60

Isles au Pitre, Louisiana, U.S.A. 67

Ismailia, Egypt: 30.35 N. 32.17 E. 21, 26, 32, 33

Isnas, Finland: 60.24 N. 26.03 E. 10

ISRAEL 21, 26, 32

Isrecognosceringsstation, see Narssarssuaq.

Istanbul, Turkey: 41.01 N. 28.58 E. 1, 21, 26
Max. Size: Dry cargo: Draft 10 m. Tankers: See Haramidere.
Fuel: Diesel oil, gas oil and bunker fuel by barge.
Dry Docks: 600 ft. length, 63 ft. width. *Airport:* Yesikoy, 15 km.

Isthmia, Corinth Canal, Greece: 37.55 N. 23.00 E. 25
(Incl. Kalamaki: 37.55 N. 23.01 E.)
Max. Size: Width 60 ft. (18.3 m.) or draft 7.2 m.
Kalamaki: Draft 38 ft. *Airport:* 100 km.

Istinye, Turkey: 41.07 N. 29.03 E. 25, 26

Itacoatiara, Brazil: 3.09 S. 58.27 W. 72

Itaituba, Brazil: 4.12 S. 55.53 W. 72

Itajai, Brazil: 26.54 S. 48.39 W. 72
Max. Size: Draft 28 ft. (HW). Dry cargo: LOA 220 m.
Tankers: LOA 160 m. *Fuel:* No bunkering facilities.
Airport: 10 km.

ITALY 21, 24

Itaqui, Brazil: 2.35 S. 44.22 W. 72
Max. Size: Draft 34 ft. (LW), depth 45 ft. – 48 ft. (HW).
Fuel: Diesel. *Airport:* 18 km.

Itea, Greece: 38.26 N. 22.25 E. 24, 25
Max. Size: LOA 130 m., draft 6.0 m. *Fuel:* Not available.
Ithaca, Greece: 38.20 N. 20.45 E. 24
Itozaki (incl. Mihara), Japan: 34.23 N. 133.07 E. 44
Max. Size: LOA 200 m., draft 9 m. *Fuel:* Bonded oil brought from Kanokawa, Kobe, Iwaki or Moje. *Airport:* Nearest Osaka.
Itu, Nigeria: 5.10 N. 7.57 E. 28
Iturup Is., Kurile Is., U.S.S.R. 42
Itzehoe, Germany: 53.56 N. 9.33 E. 8, 10
Max. Size: LOA 80 m., beam 12 m., draft 3.80 m. – 4.0 m., airdraft 18.50 m. *Fuel:* All grades by road tanker. *Airport:* Hamburg.
Ivigtut, Greenland, (Denmark): 61.12 N. 48.10 W. 17
Max. Size: Largest to berth – LOA 102 m., beam 14 m., draft 6.2 m. *Fuel:* Small quantities of gas-oil.
IVORY COAST 29
Ivujivic, Quebec, Canada: 62.25 N. 77.55 W. 59
Iwaki, see Onahama.
Iwakuni, Japan: 34.10 N. 132.14 E. 44
Max. Size: Dry cargo: Up to 11.5 m. draft, 200 m. LOA and 40,000 d.w.t. Tankers: Up to 150,000 d.w.t., draft 16.5 m. *Fuel:* Available ex-wharf. *Airport:* Hiroshima, 45 km.
Iwanai, Japan: 43.00 N. 140.30 E. 42
Iwo Jima, (Japan): 24.46 N. 141.20 E. 45
Iwopin, Nigeria: 6.32 N. 4.05 E. 28
Iyo, Japan: 33.45 N. 132.40 E. 44
Iyo Sea, Inland Sea, Japan 44
Iyomishima, Japan: 33.58 N. 133.31 E. 44
Izmail, U.S.S.R.: 45.20 N. 28.51 E. 26
Max. Size: Draft 7 m. *Fuel:* Available.
Airport: Regular connections with internal services.
Izmir, Turkey: 38.25 N. 27.09 E. 21, 25, 26
Max. Size: Draft 38 ft. Tankers: Draft 33 ft. *Fuel:* All grades available. *Dry Docks:* 7,000 d.w.t. *Airport:* 30 km.
Izmit, Turkey: 40.46 N. 30.00 E. 25, 26
Max. Size: Depth 24 ft. – 27 ft. *Fuel:* Only by barge from Istanbul. *Airport:* Istanbul, 130 km.
Izola, Yugoslavia: 45.32 N. 13.38 E. 24
Izon, France: 44.57 N. 00.22 W. 19
Max. Size: LOA 100 m., draft 4.5 m., 3,000 d.w.t.
Fuel: Available. *Airport:* Bordeaux, 40 km.
Izu Is., Japan 42, 45
Izuhara, Japan: 34.11 N. 129.18 E. 44
Izumisano, Japan: 34.23 N. 135.18 E. 44

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Jabiru, "Jabiru Venture", Australia: 11.55 S. 125.00 E. 49
Max. Size: 150,000 d.w.t. *Fuel:* Not available.
Jackfish, Ontario, Canada: 48.48 N. 86.58 W. 62
Jackson, New Zealand: 44.00 S. 168.45 E. 52
Jacksonville, Florida, U.S.A.: 30.20 N. 81.40 W. 55, 66
Max. Size: Draft 37 ft. – 38 ft. *Fuel:* Most grades available.
Dry Docks: Largest 33,000 tons capacity. *Airport:* 20 miles.
Jacmel, Haiti: 18.13 N. 72.32 W. 69
Jacques Cartier Passage, Gulf of St. Lawrence, Canada 59
Jaffa, Israel: 32.05 N. 34.50 E. 26
Jaffna, Sri Lanka: 9.40 N. 80.00 E. 37
Jakarta, Indonesia: 6.10 S. 106.50 E. 38
Max. Size: Draft 11.0 m. *Fuel:* Available.
Dry Docks: Floating dock with capacity 17,500 tons.
Airport: Kemayoran, 8 km.
Jakhau, India: 23.15 N. 68.37 E. 37
Max. Size: Open roadstead, anchorage 6 miles offshore.
Jakobshavn, see Ilulissat.
Jakobstad, Finland: 63.42 N. 22.42 E. 9, 15
Max. Size: Draft in the inner harbour 9 m. *Fuel:* Available.
Airport: Kronoby, 30 km.
Jaluit, Marshall Is., (U.S.A.): 5.55 N. 169.39 E. 48
JAMAICA 69
Jamaica Bay, New York, U.S.A. 63
Jamalpur, India: 25.20 N. 86.30 E. 37
Jambi, Indonesia: 1.35 S. 103.38 E. 38
Max. Size: Depth 2 m. *Fuel:* Not available.
James Bay, Ontario, Canada 59
Jamestown, St. Helena, (U.K.): 15.56 S. 5.40 W. 29
Max. Size: Anchorage: No restriction.
Fuel: Limited diesel only. *Airport:* None.
Jamsah, see Gemsah.
JAPAN 41, 42, 44
Jarrow, Newcastle, U.K.: 54.59 N. 1.28 W. 5, 6
Max. Size: Depth 7.1 m. See also Tyne District.
Jarvis Is., (U.S.A.): 0.15 S. 159.55 W. 48
Jask, Iran: 25.38 N. 57.48 E. 31, 35
Jason Is., Falkland Is., (U.K.) 72
Java, Indonesia 38
Javea, Spain: 38.48 N. 00.10 E. 22
Jawaharlal Nehru Port, India: 18.57 N. 72.58 E. 37
Max. Size: Draft 12.5 m. (outward). *Fuel:* Available.
Dry Docks: See "Bombay". *Airport:* See "Bombay".
Jayapura, Indonesia: 2.37 S. 140.39 E. 45
Max. Size: Depth 8.8 m. *Fuel:* Not available.
Jaziret Zabarjad, Egypt: 23.37 N. 36.12 E. 32
Jazttzarakku Island, see Zirkhu.
Jebel Ali, Dubai, U.A.E.: 25.00 N. 55.03 E. 35
Max. Size: Draft 11 m. Tankers: LOA 270 m., draft 14 m.
Fuel: Available through prior arrangement.
Airport: Dubai, 30 minutes.
Jebel Dhanna – Ruwais, U.A.E.: 24.11 N. 52.37 E. 35
Max. Size:
Crude Oil Terminal: LOA 1,215 ft., depth 55 ft., max. draft 49 ft.
Refinery Terminal: LOA 295 m., 130,000 tons displacement, depth 16.8 m.
GASCO: Gas carriers 125,000 cu.m., depth 15 m.
Tankers: LOA 320 m., 95,000 tons max. displacement.
FERTIL: LOA 200 m., 25,000 d.w.t., max. draft 11 m., depth 12 m.
ADNOC (fertiliser): 25,000 d.w.t.
Fuel: Available. *Airport:* Nearest International is Abu Dhabi.
Jeddah, Saudi Arabia: 21.28 N. 39.10 E. 21, 32
Max. Size: Draft to 13.5 m. Oil terminal: Draft 11.5 m.
Fuel: All types. *Dry Docks:* 45,000 d.w.t.
Airport: International airport 30 km. to the North.
Jeddore, Nova Scotia, Canada: 44.43 N. 63.00 W. 60
Jedway, Br. Columbia, Canada: 52.18 N. 131.14 W. 56
Jefferson, see Port Jefferson.
Jeremie, Haiti: 18.39 N. 74.07 W. 69
Jerome, see Port Jerome.
Jersey, Channel Islands, (U.K.) 7, 19
Jersey City, New Jersey, U.S.A.: 40.43 N. 74.02 W. 63
Max. Size, etc.: See New York.
Jervis Bay, N.S.W., Australia: 35.07 S. 150.47 E. 49
Jesselton, see Kota Kinabalu.
Jiangmen, China: 22.36 N. 113.07 E. 38, 47
Jiangyin, China: 31.54 N. 120.16 E. 41
Max. Size: Channel draft 15.0 m. *Fuel:* Not available.
Jibouti, see Djibouti.
Jijel, Algeria: 36.50 N. 5.47 E 22
Max. Size: Draft 10 m.
Jimenez, Mindanao, Philippines: 8.20 N. 123.52 E. 45
Max. Size: Draft 10.0 m., 28,000 g.r.t.
Jiminez, see Puerto Jiminez.

Jinan, China: 36.43 N. 117.00 EW. 41
Jinhai, see Chinhai.
Jiujiang, China: 29.43 N. 115.59E. 41
Jizan, see Gizan.
Joao Pessoa, Brazil: 7.08 S. 34.52 W. 72
Jobos, Puerto Rico: 17.56 N. 66.13 W. 69
Max. Size: Anchorage depth 19 ft. – 24 ft. *Fuel:* Not available.
Joensuu, Finland: 62.36 N. 29.47 E. 13
Max. Size: See Saimaa Canal.
Johannedal, see Sundsvall.
Johnston Is., (U.S.A.): 16.45 N. 169.31 W. 48
Johor Bahru, Malaya, Malaysia: 1.27 N. 103.45 E. 38, 40, 45
Joinville, Brazil: 26.18 S. 48.52 W. 72
Joinville, see Port Joinville.
Jolo, Jolo Is., Philippines: 6.03 N. 121.00 E. 45, 46
Max. Size: Draft 4 m., LOA 60 m. Tankers: Draft 6 m.
Fuel: Available. *Airport:* Jolo, connects with Zamboanga.
Jonesport, Maine, U.S.A.: 44.32 N. 67.37 W. 60
Jonkoping, Sweden: 57.45 N. 14.12 E. 10
Jonstorp, Sweden: 56.14 N. 12.41 E. 11
JORDAN, HASHEMITE KINGDOM OF 21, 32
Jorf Lasfar, Morocco: 33.08 N. 8.38 W. 27
Max. Size: Depth: Channel 17 m., berth 13.5 m. *Fuel:* Not available. *Dry Docks:* None. *Airport:* Nearest Casablanca.
Jose Terminal, Venezuela: 10.06 N. 64.51 W. 74
Max. Size: 42,000 d.w.t., draft 39 ft., LOA 800 ft.
Fuel: Available at Puerto la Cruz.
Jose Ignacio, Uruguay: 34.54 S. 54.43 W. 72
Max. Size: (SBM) 150,000 d.w.t., depth 55 ft.
Jose Panganiban, Luzon, Philippines: 14.18 N. 122.40 E. . 45, 46
Max. Size: LOA 230 m., draft 30 ft. *Fuel:* All grades except premium gasoline supplied by lorries. *Airport:* Daet.
Joseph Bonaparte Gulf, Australia 49
Jossingfjord, see Rekefjord.
Jounieh, Lebanon: 33.58 N. 35.39 E. 26
Joutseno, Finland: 61.08 N. 28.27 E. 13
Max. Size: See Saimaa Canal.
Juan de Fuca Strait, British Columbia, Canada 56
Juan de Nova, (France): 17.03 S. 42.46 E. 30
Juan Fernandez is., Chile 72
Juan Gallegos Is., Panama Canal, Panama 70
Juan Griego,see San Juan Griego.
Ju'aymah, Saudi Arabia: 26.56 N. 50.03 W. 31, 35
Max. Size: VLCC up to 750,000 d.w.t., draft 21.34 m.
Depth at SBM No. 34: 124 ft. RLPG Terminal: Depth 78 ft.
Fuel: Available. *Airport:* See Dammam.
Jubail, Saudi Arabia: 27.01 N. 49.40 E. 31, 35
Max. Size: Commercial Port: Drafts to 13.6 m.
Industrial Port: Draft 12.6 m. – 25 m. *Fuel:* Available.
Airport: Dhahran, 90 km.
Jucaro, Cuba: 21.37 N. 78.51 W. 69
(incl. Palo Alto: 21.36 N. 78.59 W.)
Max. Size: Draft 29 ft., LOA 800 ft. *Fuel:* Not available.
Juelsminde, Denmark: 55.43 N. 10.01 E. 11
Jui An, China: 27.47 N. 120.39 E. 41
Julianehab, see Qaqortoq.
Juneau, Alaska, U.S.A.: 58.18 N. 134.24 W. 56
Max. Size: Depth 36 ft. (LW). *Fuel:* Available.
Jura, U.K.: 56.00 N. 5.45 W. 5
Jurado, Colombia: 7.05 N. 77.45 W. 69, 72
Jurmala, U.S.S.R.: 57.00 N. 23.45 E. 10
Jurong, see Singapore.
Jutland, Denmark 10, 11

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Kabret, Egypt: 30.12 N. 32.30 E. 33
Kacha, U.S.S.R.: 44.45 N. 33.40 E. 26
Kadavu, see Kandavu.
Kadikoy, see Haydarpasa.
Kaerbaeksminde, Denmark: 55.10 N. 11.39 E. 11
Max. Size: Draft 5.6 m. *Fuel:* Available.
Airport: Copenhagen, 80 km.
Kage, Sweden: 64.50 N. 21.00 E. 15
Max. Size: Depth 20 ft. – 23 ft.
Kagoshima, Japan: 31.35 N. 130.33 E. 42, 44, 45
Max. Size: Depths alongside 5.5 m. – 12.0 m.
Fuel: Not available. *Airport:* 50 minutes away.
Kagowong, Ontario, Canada: 45.55 N. 82.15 W. 62
Kahului, Hawaii, U.S.A.: 20.53 N. 156.28 W. 48
Max. Size: LOA 700 ft., draft 32 ft. 6 in. *Fuel:* Small amounts of diesel fuel and heavy fuel available in an emergency only.
Airport: 1 mile, connects with Honolulu.
Kai Is., Indonesia 45
Kaikoura, New Zealand: 42.25 S. 173.42 E. 52
Kaimana, Indonesia: 3.39 S. 133.45 E. 45
Kainan, Japan: 34.10 N. 135.12 E. 44
Max. Size: Draft 12.5 m., 70,000 d.w.t. Sea berth: 245,000 d.w.t.
Fuel: Available. *Airport:* Osaka.
Kairuku, Papua New Guinea: 8.51 S. 146.35 E. 45
Kaiser, see Port Kaiser.
Kaitangata, New Zealand: 46.15 S. 169.50 E. 52
Kajang, Indonesia: 5.19 S. 120.22 E. 45
Kakap Natuna Marine Terminal, Indonesia: 05.01 N. 105.57 E. 38
Max. Size: 100,000 d.w.t. *Fuel:* Not available.
Kake, Alaska, U.S.A.: 56.58 N. 133.56 W. 56
Kakinada, India: 16.56 N. 82.15 E. 37
Max. Size: Anchorage Port: No restriction.
Fuel: Emergency only, 10/15 tons from Visakhapatnam.
Airport: Visakhapatnam 105 miles, Madras 350 miles.
Kakogawa, Japan: 34.42 N. 134.50 E. 44
Max. Size: Kobe Steel, Berth No. 4: 165,000 d.w.t. (or 250,000 d.w.t. with part load), draft 16 m., LOA 300 m.
Fuel: Bunkers lightered from nearest bunker stock port.
Kaktovik, (Barter Is.), Alaska, U.S.A.: 70.08 N. 143.40 W. 54
Kalajoki, Finland: 64.15 N. 23.58 E. 15
Kalama, Washington, U.S.A.: 46.02 N. 122.51 W. 57
Kalamaki, Greece: 37.52 N. 23.01 E. 25
Max. Size: Draft 38 ft.
Kalamata, Greece: 37.02 N. 22.07 E. 24, 25
Max. Size: Draft 30 ft. *Fuel:* Supplied by road tankers.
Airport: 6 miles.
Kalamos, Greece: 38.38 N. 20.55 E. 25
Kalaranta, see Uusikaupunki.
Kalecik, Cyprus: 35.19 N. 33.59 E. 26
Max. Size: LOA 100 m., depth 6 m. *Fuel:* Not available.
Airport: Ercan, 50 miles.
Kali Limenes, (Crete), Greece: 34.56 N. 24.49 E. 25, 26
Max. Size: Draft 12.8 m. (280,000 d.w.t. in ballast).
Fuel: Available. *Airport:* Iraklion, 75 km.
Kalianda, Indonesia: 5.45 S. 105.36 E. 38
Kalianget, see Sumerep.
Kalifoka, see Corfu.
Kalimantan Is., Indonesia 38
Kalimnos Is., Greece: 36.57 N. 27.00 E 25
Kalingapatnam, India: 18.20 N. 84.09 E. 37
Kaliningrad, U.S.S.R.: 54.42 N. 20.32 E. 9, 10
Kalivia, Greece, see Yerakini.
Kalix, Sweden: 65.50 N. 23.10 E. 15
Max. Size: Draft 5.4 m.
Kallero, Sweden: 60.21 N. 18.15 E. 10
Kallvken, see Lovanger.
Kalmar, Sweden: 56.40 N. 16.20 E. 9, 10
Max. Size: Largest vessel: 25,000 d.w.t., draft 24 ft., depth 26 ft.
Fuel: Available. *Dry Docks:* None. *Airport:* 10 km.
Kalmar Sound, Sweden 10
Kalpeni Is., (Laccadives), India: 10.04 N. 73.35 E. 37
Kalumburu, W.A., Australia: 14.30 S. 126.00 E. 49
Kalundborg, Denmark: 55.41 N. 11.06 E. 9, 10, 11
Max. Size: Depth 9.5 m. Tankers: Draft 41 ft. (70,000 d.w.t.) or 40 ft. (100,000 d.w.t.). *Fuel:* All grades available.
Airport: Copenhagen, 80 miles.
Kalutara, Sri Lanka: 6.35 N. 80.00 E. 37
Kalvehave, Denmark: 54.59 N. 12.10 E. 11
Kama Is., Caroline Islands, Micronesia: 6.40 N. 143.05 E. . . . 45
Kamaishi, Japan: 39.16 N. 141.55 E. 42
Max. Size: Draft 14 m. and LOA, 300 m. (915 ft.) Beam no restriction. *Fuel:* Domestic diesel oil (Bunker A) is available. Bonded oil will be brought from Sendai, Yokohama and Kashima. *Dry Docks:* None. *Airport:* Hanamaki, 100 km.
Kamaran Is., Yemen: 15.25 N. 42.35 E. 32
Kamares, (Sifnos), Greece: 36.59 N. 24.41 E. 25

Kamariotissa, (Samothraki), Greece: 40.28 N. 25.28 E. 25
Kamchatka Peninsula, U.S.S.R. 54
Kamenka, U.S.S.R.: 65.51 N. 44.01 E. 16
Kamien, Poland: 53.58 N. 14.46 E. 10
Kamigoto, see Aokata.
Kampen, Netherlands: 52.32 N. 5.53 E. 7
Kampot, Cambodia: 10.36 N. 104.12 E. 38
KAMPUCHEA, see Cambodia.
Kamsar, Guinea: 10.39 N. 14.37 W. 27
Max. Size: LOA 229 m., draft 42 ft. 8 in. (LW).
Fuel: Not available. *Airport:* Nearest Conakry (8 hours)
Kamzar, Oman: 26.20 N. 56.25 E. 35
Kanaga Is., Aleutian Is., Alaska, U.S.A. 54
Kanakanak, Alaska, U.S.A.: 59.00 N. 158.45 W. 54
Kanatak, Alaska, U.S.A.: 57.34 N. 156.02 W. 54
Kanazawa, Japan: 36.36 N. 136.37 E. 42
Kanda, Japan: 33.47 N. 131.00 E. 44
Max. Size: Depth alongside 10.0 m. *Fuel:* Available from Moji or Shimonoseki.
Kandalaksha, U.S.S.R.: 67.08 N. 32.25 E. 16
Kandavu Is., Fiji: 19.00 S. 178.15 E. 48
Kandilli, see Anadolu.
Kandla, India: 23.00 N. 70.12 E. 37
Max. Size: LOA 740 ft. Tankers: LOA 700 ft. Draft according to water on the bar varies between 30 ft. and 34 ft. Draft alongside, 30 ft. Draft at moorings, 35 ft. Draft at Tanker Berth, 34 ft. *Fuel:* Furnace oil and light diesel oil.
Dry Docks: Floating dock – Max. size: LOA 100 m., draft 5 m.
Airport: 20 km.
Kangamiut, Greenland, (Denmark): 65.49 N. 53.18 W. . . . 17, 59
Kangan, Iran: 27.49 N. 52.04 E. 35
Kangaroo Is., S.A., Australia 49, 50
Kangatsiaq, Greenland, (Denmark): 68.20 N. 53.30 W. 17
Kangean Is., Indonesia 38
Kangerlussuaq, see Camp Lloyd.
Kango, Gabon: 00.10 N. 10.05 E. 28
Kankesanturai, Sri Lanka: 9.49 N. 80.03 E. 37
Max. Size: (Anchorage) Depth about 31 ft.
Kanmon-Ko, see Kokura, Moji, Shimonoseki, Tobata, Wakamutsu and Yawata.
Kanokawa, Japan: 34.11 N. 132.26 E. 44
(Closed Port)
Max. Size: LOA 270 m., beam 40 m., draft 14 m., 125,000. d.w.t. *Fuel:* Most grades of domestic and bonded oil obtainable by barge. *Airport:* Kure.
Kanonji, Japan: 34.10 N. 133.38 E. 44
Kansola, see Saimaa Canal.
Kansong, South Korea: 38.10 N. 128.30 E. 41, 42
Kantang, Thailand: 7.25 N. 99.31 E. 38
Max. Size: Depth 10 ft. – 16 ft. *Fuel:* High Speed Diesel only.
Kantvik, Finland: 60.05 N. 24.23 E. 10
Max. Size: Draft 30 ft. 2 in. *Airport:* Helsinki, 45 km.
Kaohsiung, Taiwan: 22.37 N. 120.16 E. 41, 45
(incl. SBM's: 22.30 N. 120.17 E.)
Max. Size: Length and breadth no restriction (largest to date 950 ft. LOA and 106 ft. beam). Draft Inner Harbour 52 ft. (HT). Tankers with draft over 50 ft. discharge at SBM's outside where depth is 98 ft. (250,000 d.w.t.).
Fuel: All grades.
Dry Docks: 950 m. long, breadth 92 m., depth 14 m.
Airport: International, 7 miles.
Kaolack, Senegal: 14.09 N. 16.06 W. 27
(incl. Lyndiane: 14.11 N. 16.11 W.)
Max. Size: LOA 105 m. Depth in river 3.0 m.
Fuel: Not available. *Airport:* None.
Kapingamarangi Is.: 1.08 N. 154.45 E. 48
Kapiskau, Ontario, Canada: 52.50 N. 82.10 W. 59
Kapitana Varzugina, U.S.S.R.: 72.35 N. 80.50 E. 16
Kappeln, Germany: 54.40 N. 9.56 E. 11
Max. Size: LOA 90 m., draft 4.5 m. *Fuel:* Available.
Kapsali, (Kithira), Greece: 36.08 N. 23.00 E. 25
Kara, U.S.S.R.: 69.10 N. 65.20 E. 16
Kara Sea 16
Kara Strait, U.S.S.R. 16
Karabiga, Turkey: 40.24 N. 27.18 E. 25
Karachi, Pakistan: 24.49 N. 66.59 E. 37
Max. Size: LOA 945 ft., draft 32 ft. Tankers, White Oil: LOA 750 ft., draft 35 ft. Black Oils: LOA 750 ft., draft 35 ft. New Oil Pier No. 4: LOA 850 ft., draft 39 ft. *Fuel:* Furnace oil, light diesel oil and high speed diesel oil. *Dry Docks:* Largest – 609 ft.×90 ft.×18 ft. for 25,000 d.w.t. *Airport:* 7 miles.
Karadeniz Eregli, see Eregli.
Karadzha, U.S.S.R.: 45.15 N. 32.50 E. 26
Karajinski Is., U.S.S.R. 54
Karambu, Indonesia: 3.50 S. 116.05 E. 38
Karamea, New Zealand: 41.18 S. 172.08 E. 52
Karatas, Turkey: 36.35 N. 35.25 E. 26
Karathuri, Myanmar: 10.50 N. 98.35 E. 38
Karatsu, Japan: 33.27 N. 129.58 E. 41
Karaul, U.S.S.R.: 69.55 N. 83.50 E. 16
Karavostasis, (Folegrandos), Greece: 36.37 N. 24.57 E. 25
Karavostassi, see Xeros.
Kardeljevo, see Ploce.
Kardla, U.S.S.R.: 58.45 N. 22.40 E. 10
Karen, (Andaman Is.), India: 12.50 N. 92.55 E. 38
Karikal, India: 10.55 N. 79.51 E. 37
Karimata Is., Indonesia: 1.40 S. 109.00 E. 38
Karimuntung, see Sandakan.
Karin, Somalia: 10.50 N. 45.50 E. 31, 32
Karistos, Greece: 38.01 N. 24.25 E. 25
Karkar Is., Papua New Guinea: 4.40 S. 146.00 E. 45
Karlholm, Sweden: 60.31 N. 17.39 E. 10
Karlobag, Yugoslavia: 44.32 N. 15.04 E. 24
Karlovasi, (Samos), Greece: 37.48 N. 26.41 E. 25
Karlsborgsverken, Sweden: 65.48 N. 23.17 E. 15
Max. Size: Draft 6 m. Tankers: Draft 8.8 m.
Airport: Lulea, 85 km.
Karlshamn, Sweden: 56.10 N. 14.52 E. 10
Max. Size: LOA 180 m., draft 10.5 m. Tankers: LOA 270 m., draft 13.1 m. *Fuel:* All grades available. *Airport:* 30 km.
Karlskrona, Sweden: 56.10 N. 15.36 E. 9, 10
Max. Size: Draft 9 m. Tankers: Draft 8.5 m. *Fuel:* All grades.
Dry Docks: Largest: Length 185 m., breadth 20.76 m., depth 8.80 m. *Airport:* 30 km.
Karlstad, Sweden: 59.23 N. 13.31 E. 10
Max. Size: Vessel's length, breadth and draft controlled by the locks of the Trollhatte Canal (87 m.×13 m.×5.3 m.).
Fuel: Available. *Airport:* Domestic.
Karlsvik, see Hovid.
Karluk, Alaska, U.S.A.: 57.20 N. 154.50 W. 54
Karmoy Is., Norway 10
Karpathos Is., Greece: 35.30 N. 27.13 E. 25
Karpathos Strait, Greece 25
Karrebaeksminde, see Naestvad.
Karskar, Sweden: 60.40 N. 17.18 E. 10
Max. Size: Draft 7.8 m. See also Gavle.
Karsto, Norway: 59.16 N. 5.30 E. 10
Max. Size: LOA 210 m., draft 11.3 m. *Fuel:* Not available.
Airport: Haugesund, 45 km.
Kartal, Turkey: 40.53 N. 29.11 E. 25
Karumba, Queensland, Australia: 17.28 S. 140.50 E. 49
Karwar, India: 14.48 N. 74.06 E. 37
Max. Size: Any size. Depth at Outer Roads over 7 fathoms.
Fuel: No bunkering facilities for ocean-going vessels.
Airport: Goa, 60 miles.
Kas, Turkey: 36.15 N. 29.45 E. 25, 26
Kasaan, Alaska, U.S.A.: 55.32 N. 132.24 W. 56
Kasaoka, Japan: 34.28 N. 133.30 E. 42
Max. Size: 35,000 d.w.t. *Fuel:* Bonded oil from Kobe, etc.
Also see Fukuyama.
Kasaragod, India: 12.30 N. 74.59 E. 37
Kashima, Japan: 35.54 N. 140.42 E. 42, 44
Max. Size: Tankers: 200,000 d.w.t., LOA 336.34 m., safe draft 19 m. Bulk carriers: Draft up to 44 ft.
Fuel: Bonded bunkers are stocked in Tokyo Bay, Ise Bay, Osaka Bay and Kanmon Port. Bunkers are also available.
Airport: Narita Airport, Tokyo.
Kasim Marine Terminal, Indonesia: 1.18 S. 131.01 E. 45
Max. Size: Draft 50 ft., LOA 1,000 ft., beam 150 ft.
Dry Cargo Berth: Depth 15 ft. (MLWS). *Fuel:* Not available.
Kasim, see Port Qasim.
Kaskinen, see Kasko.
Kasko (Kaskinen), Finland: 62.23 N. 21.13 E. 9, 15
Max. Size: Draft 8 m. *Fuel:* Available by tank truck.
Airport: Vasa, 100 km.
Kaskoy, see Istanbul.
Kasos Is., Greece: 35.20 N. 26.55 E. 25
Kasos Strait, Greece 25
Kassa Is., see Conakry.
Kassue, Indonesia: 6.58 S. 139.21 E. 45
Kastelli, Crete, Greece: 35.30 N. 23.35 E. 24, 25
Kastellorizon, Turkey: 36.09 N. 29.37 E. 25, 26
Kastet, see Karskar.
Kastrades, see Corfu.
Kastrup, (Amager), Denmark: 55.38 N. 12.39 E. 11
Katakolon, Greece: 37.39 N. 21.20 E. 24, 25
Max. Size: Draft 24 ft. *Fuel:* Available by tank truck from Patras or Kalamata. *Airport:* Andravis, 26 km.
Katalla, Alaska, U.S.A.: 60.12 N. 144.32 W. 54
Katapola, Amorgos Is., Greece: 36.50 N. 25.52 E. 25
Katchall Is., (Nicobar Is.), India: 9.55 N. 93.20 E. 38
Kato Akhaia, Greece: 38.08 N. 21.34 E. 25
Katsini Bay, see Aghios Nikolaos.
Katsuura, Japan: 35.09 N. 140.20 E. 42
Kattegat 9, 10, 11
Katunan, Japan: 35.40 N. 139.58 E. 42
Katwijk, Netherlands: 52.12 N. 4.24 E. 7, 8

Kauai Is., Hawaii, U.S.A. 48
Kaukas, see Lappeenranta.
Kaukauna, Wisconsin, U.S.A.: 44.18 N. 88.15 W. 62
Kaukopaa Harbour, see Saimaa Lake.
Kaunissaari, Finland: 61.15 N. 21.32 E. 15
Kaur, see Kantaur.
Kavalla, Greece: 40.55 N. 24.25 E. 21, 25, 26
Max. Size: LOA 200 m., draft 27 ft. 6 in.
Fuel: Small amounts by truck. *Airport:* 30 km.
Kavaratti Is., (Laccadives), India: 10.34 N. 72.46 E. 37
Kavieng, Papua New Guinea: 2.35 S. 150.48 E. 45, 48
Max. Size: Depth 7 m. at LAT. *Fuel:* Diesel oil.
Airport: 3 km. (internal).
Kawaihae, Hawaii, U.S.A.: 20.02 N. 155.50 W. 48
Max. Size: Draft up to 33 ft. *Fuel:* Can be supplied.
Airport: At Hilo.
Kawanoe, Japan: 34.00 N. 133.32 E. 44
Kawanoishi, Japan: 33.30 N. 132.20 E. 44
Kawasaki, Japan: 35.32 N. 139.46 E. 42, 43
Max. Size: Depth alongside 12.0 m.
Tanker (Sea Berth): 250,000 d.w.t., LOA 300 m., draft 30 m.
Fuel: All grades available.
Dry Docks: Largest: No. 2: Length 210 m., breadth 30 m., depth 11 m., capacity 25,000 g.t.
Airport: Tokyo (Narita), 230 km.
Kawthaung, Myanmar: 10.00 N. 98.34 E. 38
Kayak Is., Alaska, U.S.A.: 59.55 N. 144.26 W. 56
Kayts, Sri Lanka: 9.42 N. 79.50 E. 37
Keeling Is., see Cocos Is.
Keelung, Taiwan: 25.09 N. 121.44 E. 41
(incl. Sha Lun SBM: 25.09 N. 121.11 E.)
Max. Size: LOA 225 m., depth 12 m.
Tankers: Depth 10.85 m. Sha Lun: Depth 12 m.
Fuel: Bunkers available.
Dry Docks: Depth 12 m., for vessels 100,000 tons.
Airport: Taipei, 1 hour by car.
Kefalo, Greece: 40.09 N. 25.59 E. 25
Keflavik-Njarovik, Iceland: 64.00 N. 22.33 W. 17
Max. Size: Depth of water 20 ft. – 45 ft. *Fuel:* Available.
Airport: 4 km.
Kehl, see Strasbourg.
Kelang, see Port Kelang.
Kelibia, Tunisia: 36.50 N. 11.05 E. 24
Kelloniemi, Finland: 62.52 N. 27.31 E. 9
Max. Size: See Saimaa Canal.
Kelso, Washington, U.S.A.: 46.10 N. 122.55 W. 57
Kem, U.S.S.R.: 65.00 N. 34.37 E. 16
Kemano, British Columbia, Canada: 53.29 N. 128.07 W. 56
Kembla, see Port Kembla.
Kemi, Finland: 65.40 N. 24.31 E. 15
Max. Size: Draft 8.5 m. Tankers: Draft 10.0 m.
Fuel: Available. *Airport:* Lautiosaari.
Kenai, Alaska, U.S.A.: 60.33 N. 151.16 W. 54
Kendari, Indonesia: 3.58 S. 122.34 E. 45
Kenitra, Morocco: 34.17 N. 6.30 W. 21, 27
Max. Size: Depth 4.20 m. – 5.40 m.
Fuel: Diesel oil, gas oil and petrol. *Airport:* Rabat-Sale.
Kenje, Gabon: 0.31 N. 9.36 E. 28
Kenmare, Eire: 51.52 N. 9.35 W. 5
Kennedy, see Thursday Is.
Kenny, see Port Kenny.
Kenosha, Wisconsin, U.S.A.: 42.35 N. 87.50 W. 62
KENYA 30
Keos Is., Greece 25
Kerain, see Norrkoping.
Kerama, Papua New Guinea: 7.58 S. 145.47 E. 45
Keramotis, Greece: 40.52 N. 24.42 E. 25
Kerasunda, see Giresun.
Keratsini, see Piraeus.
Kerch, U.S.S.R.: 45.21 N. 36.29 E. 21, 26
Kerchensky Strait, U.S.S.R. 16
Keret, U.S.S.R.: 66.17 N. 33.34 E. 16
Keri, Zante Is., Greece: 37.39 N. 20.49 E. 25
Kerkenna Is. Tunisia: 34.45 N. 11.15 E. 20
Kerkira, (Corfu), Greece: 39.37 N. 19.56 E. 21, 24, 25
Max. Size: Draft 7.5 m. *Fuel:* Diesel oil. *Airport:* 2 km.
Kermadec Islands, New Zealand 48
Kerringoy, Norway: 67.31 N. 14.46 E. 15
Kertapati, see Palembang.
Kerteh Terminal, Malaya, Malaysia: 4.34 N. 103.28 E. 38, 39
Max. Size: Tankers: Petronas – 85,000 d.w.t. (part load), draft 11.1 m., LOA 265 m., beam 38 m. Esso – 140,000 d.w.t. – 250,000 d.w.t., draft 57 ft. – 67 ft., depth 85 ft. – 92 ft.
Fuel: Not available.
Kerteminde, Denmark: 55.27 N. 10.40 E. 11
Keta, Ghana: 5.53 N. 1.00 E. 29
Ketapang, Indonesia: 1.50 S. 109.58 E. 38
Ketchikan, Alaska, U.S.A.: 55.20 N. 131.38 W. 56
Max. Size: Largest vessel 26,000 tons. Depths up to 33 ft. (LW).
Fuel: No. 2 diesel and gasoline available. *Dry Dock:* Floating dock with length 434 ft. *Airport:* Daily flights to and from Seattle.
Keti Bandar, Pakistan: 24.10 N. 67.25 E. 37
Kew, Caicos, Turks and Caicos Islands, (U.K.):
21.55 N. 71.55 W. 69
Kewaunee, Wisconsin, U.S.A.: 44.28 N. 87.30 W. 62
Keweenaw Point, Michigan, U.S.A.: 47.26 N. 87.40 W. 62
Key Harbour, Ontario, Canada: 45.53 N. 80.45 W. 62
Key West, Florida, U.S.A.: 24.33 N. 81.48 W. 66, 69
Khabarovo, U.S.S.R.: 69.35 N. 60.28 E. 9
Khabarovsk, U.S.S.R.: 48.31 N. 135.10 E. 42
Khalid, see Sharjah.
Khalki Is., Greece: 36.15 N. 27.35 E. 25
Khamili Is., Greece: 35.52 N. 26.14 E. 25
Khamir, Iran: 26.58 N. 55.35 E. 35
Khanom, Thailand: 9.12 N. 99.54 E. 38
Max. Size: 25,000 d.w.t., depth 9 m. – 9.5 m.
Khantona Laptiva Land, U.S.S.R. 16
Kharg Island, Iran: 29.14 N. 50.19 E. 31, 35
Max. Size: Kharg Terminal: 500,000 d.w.t.
Khemco Terminal: Depth 42 ft. Darius Terminal: Depth 65 ft.
Khasab, Oman: 26.13 N. 56.15 E. 35
Khatyrka, U.S.S.R.: 62.05 N. 175.15 E. 54
Khemco Terminal, see Kharg Island.
Kherson, U.S.S.R.: 46.37 N. 32.37 E. 21, 26
Max. Size: Draft in Channel 7.6 m. Depth at berths 8.25 m.
Fuel: Available.
Khios Is., Greece: 38.22 N. 26.09 E. 25, 26
Khiri Khan, Thailand: 11.50 N. 99.40 E. 38
Kholmsk, U.S.S.R.: 47.03 N. 142.03 E. 42
Max. Size: Draft 6 m. LOA 105 m. *Fuel:* Not available.
Dry Docks: None.
Khor Al Amaya, Iraq: 29.47 N. 48.49 E. 35
Max. Size: 330,000 d.w.t. loading part cargo, LOA 1,200 ft., draft 69 ft.
Khor Al Zubair, Iraq: 30.12 N. 47.53 E. 35
Max. Size: Draft 10.0 m. *Fuel:* Available.
Khor Dubai, see Dubai.
Khor El Mufatta, Kuwait: 28.39 N. 48.23 E. 35
Khor Fakkan, U.A.E.: 25.22 N. 56.22 E. 31, 35
Max. Size: Draft 39 ft. *Fuel:* Limited gas oil.
Airport: Sharjah and Dubai International.
Khor Khuwair, U.A.E.: 25.59 N. 56.03 E. 35
Khor Musa, Iran 35
Khor Musa Lightship, Iran: 30.00 N. 49.04 E. 35
Khorly, see Port Khorly.
Khorramshahr, Iran: 30.26 N. 48.10 E. 31, 35
Khrysokkhou Bay, see Latchi.
Khulna, see Mongla.
Kichiga, U.S.S.R.: 59.50 N. 163.08 E. 54
Kiel, Germany: 54.19 N. 10.10 E. 9, 10, 11, 12
Max. Size: For Nordhafen and ships passing Canal, 235 m. LOA, 32.5 m. beam, 7.0 m. draft; (FW). Depth in Harbour: Scheerhafen 10.0 m. *Fuel:* All grades available.
Dry Docks: Floating Dock: No. 2, 22,500 tons.
Dry Dock: No. 8A, 1,395 ft. long, 292 ft. wide.
Airport: Kiel, local flights to Hamburg. Hamburg approx. 90 km.
Kiel Bay 11
Kiel Canal, Germany 8, 9, 10, 11, 12
Max. Size: See Kiel, Brunsbuttel, etc.
Kieta, Papua New Guinea: 6.13 S. 155.38 E. 48
Max. Size: Depth at LAT 8.5 m. *Fuel:* Diesel by road.
Airport: Aropa Airport 19 km. (international).
Kihnu Is., U.S.S.R.: 58.07 N. 23.58 E. 10
Kii Channel, Japan 42, 44
Kiire, Japan: 31.23 N. 130.32 E. 44
Max. Size: LOA 450 m., draft 30.6 m., 500,000 d.w.t.
Fuel: Domestic oil from Kagoshima, bonded oil from Moji.
Airport: 2 hours by car, domestic.
Kijang, Indonesia: 00.51 N. 104.37 E. 38
Max. Size: LOA 185 m., draft 11 m., beam 28 m.
Fuel: Not available. *Airport:* 9 miles from Kijang.
Kikchik, U.S.S.R.: 53.35 N. 156.00 E. 54
Kikori, Papua New Guinea: 7.45 S. 144.15 E. 45
Kikuma, Japan: 34.03 N. 132.51 E. 44
Max. Size: 88,450 d.w.t., LOA 237 m., draft 16.0 m.
Fuel: By barge from Hanshin and Kanmon area.
Airport: Nearest Matsuyama, 50 km.
Kilchoan, U.K.: 56.40 N. 6.10 W. 5
Kildonan, U.K.: 55.27 N. 5.07 W. 5
Kilia, U.S.S.R.: 45.26 N. 29.17 E. 26
Max. Size: Draft 7.0 m. *Fuel:* Available, notice required.
Kilifi, Kenya: 3.40 S. 39.50 E. 30
Kilindini, see Mombasa.
Kilkee, Eire: 52.41 N. 9.40 W. 5
Kilkeel, U.K.: 54.03 N. 6.00 W. 5
Kill van Kull, see New York.

Killala, Eire: 54.14 N. 9.13 W. 5
Killarney, Ontario, Canada: 45.57 N. 81.31 W. 62
Killary Harbour, Eire: 53.37 N. 9.51 W. 5
Killingholme, U.K.: 53.39 N. 00.13 W. 5, 6
Max. Size: LOA 800 ft., draft 31 ft. *Fuel:* See Immingham.
Killini, Greece: 37.56 N. 21.09 E. 24, 25
Killorglin see Castlemaine Harbour.
Killybegs, Eire: 54.38 N. 8.26 W. 5
Max. Size: Depth 7.5 m. *Fuel:* Fuel oil available.
Kilmore Quay, Eire: 52.11 N. 6.35 W. 5
Kilondoni, Tanzania: 7.56 S. 39.50 E. 30
Kilronan, Aran Is., Eire: 53.07 N. 9.07 W. 5
Max. Size: Depth 5.5 m. (Sp). *Airport:* 2 km.
Kilroot, see Belfast.
Kilrush, Eire: 52.38 N. 9.29 W. 5
Kiltan Is., (Laccadives), India: 11.24 N. 73.00 E. 37
Kilwa Kisiwani, Tanzania: 8.57 S. 39.33 E. 30
Kilwa Kivinje, Tanzania: 8.45 S. 39.25 E. 30
Kilwa Masoko, Tanzania: 8.55 S. 39.32 E. 30
Kimbe, Papua New Guinea: 5.33 S. 150.09 E. 45
Max. Size: Depth at LAT 15.0 m. *Fuel:* Diesel by road.
Airport: Hoskins, 50 km.
Kimi, Greece: 38.38 N. 24.05 E. 25
Kimitsu see Kisarazu.
Kimolos Is., Greece: 36.46 N. 24.35 E. 25
Kin Wan, (Okinawa), Japan: 26.22 N. 127.58 E. 41, 45
Max. Size: Tankers: 500,000 d.w.t., depth 102 ft.
Fuel: All grades available. *Dry Docks:* None.
Airport: 2 hours by car to Naha Airport.
Kinaros Is., Greece: 36.58 N. 26.20 E. 25
Kincardine, Ontario, Canada: 44.10 N. 81.39 W. 60, 62
King Abdul Aziz Port, see Dammam.
King Christian IX Land, Greenland, (Denmark) 17
King Cove, Alaska, U.S.A.: 55.03 N. 162.19 W. 54
King George Is., N.W. Territories, Canada: 57.20 N. 80.30 W. . 59
King Is., Tasmania, Australia 49
King Is., Alaska, U.S.A.: 64.58 N. 168.05 W. 54
King Sound, W.A., Australia 49
Kingisepp, U.S.S.R.: 58.14 N. 22.29 E. 10
Kings Bay, (Spitsbergen), Norway 17
Kings Bay, Georgia, U.S.A.: 30.49 N. 81.31 W. 55, 66
Max. Size: Depth 38 ft.
Kings Lynn, U.K.: 52.45 N. 00.24 E. 5, 7
Max. Size: LOA 315 ft., beam 45 ft., draft 18 ft. on highest Spring tides. *Fuel:* Light-grade fuel oil, gas oil, petrol and paraffin. *Airport:* Heathrow, 100 miles. Norwich, 45 miles.
Kingsbridge, U.K.: 50.16 N. 3.47 W. 5
Kingscote, S.A., Australia: 35.39 S. 137.38 E. 49
Kingsnorth, see Medway.
Kingston, Norfolk Island, (Australia): 29.00 S. 168.00 E. 48
Kingston, S.A., Australia: 36.50 S. 139.52 E. 49
Kingston, Ontario, Canada: 44.12 N. 76.30 W. 60, 62
Max. Size: Max. depth alongside 17 ft. – 25 ft. *Fuel:* Bunker "C" and diesel oil available. *Dry Dock:* Will take ships of LOA 210 ft., beam 44 ft., depth on sill 13 ft.
Kingston, Jamaica: 17.59 N. 76.50 W. 69
(inc. Port Royal: 17.56 N. 76.51 W.)
Max. Size: Max. draft into Port Royal 40 ft. Main ship channel: Max. draft 36 ft. 6 in. Newport West: Max. draft 32 ft. 6 in. Esso Terminals: Max. draft 34 ft. 6 in.
Newport East: Max. draft 27 ft. 6 in. *Fuel:* All grades.
Dry Docks: Available.
Airport: 10 miles.
Kingston, New York, U.S.A.: 41.54 N. 73.58 W. 63
Kingstown, see Dun Laoghaire.
Kingstown, St. Vincent: 13.09 N. 61.14 W. 69, 71
Max. Size: LOA 550 ft., draft 30 ft. *Fuel:* Available.
Airport: 2 miles.
Kingsville, Ontario, Canada: 42.01 N. 82.45 W. 62
Kinlochbervie, U.K.: 58.26 N. 5.06 W. 5
Kinsale, Eire: 51.42 N. 8.31 W. 5
Max. Size: LOA 80 m., draft 5.0 m. (HW) and 2,500 d.w.t.
Airport: Cork, 22 km.
Kinshasa, Zaire: 4.22 S. 15.15 E. 29
Kintyre, U.K.: 55.15 N. 5.05 W. 5
Kinuura, Japan: 34.50 N. 136.56 E. 42
Max. Size: Depth alongside 12.0 m. *Airport:* None.
Fuel: All grades of bonded bunkers are stocked in Tokyo Bay.
Kiparissia, Greece: 37.16 N. 21.40 E. 24, 25
Kipevu, see Mombasa.
Kira Kira, San Cristobal Is., Solomon Is.: 10.27 S. 161.54 E. . . 48
KIRIBATI 48
Kirillovka, U.S.S.R.: 46.25 N. 35.00 E. 26
Kiriwina Is., see Trobriand Is.
Kirkcaldy, U.K.: 56.07 N. 3.09 W. 5, 6
Max. Size: Depth 4.8 m., 1,500 d.w.t.
Kirkenes, Norway: 69.43 N. 30.03 E. 9, 15
Max. Size: Oil carriers: 20,000 d.w.t., draft 33 ft.
Iron ore carriers: 120,000 d.w.t., sailing draft 51 ft. under optimal conditions.
Dry Dock: Floating dock, capacity 8,500 tons.
Fuel: Not available. *Airport:* 16 km.
Kirkudbright, U.K.: 54.50 N. 4.03 W. 5
Kirkwall, U.K.: 58.59 N. 2.58 W. 5
Max. Size: Draft 5 m. *Fuel:* Road tanker. *Dry Dock:* None.
Airport: Domestic, 4 miles.
Kisarazu, Japan: 35.22 N. 139.52 E. 42, 43
Max. Size: Draft 7.5 m. – 18.0 m., depending on berth.
Fuel: All grades of bonded bunkers are stocked in Tokyo Bay.
Dry Docks: 500,000 d.w.t. drydock at Chiba.
Airport: Narita (Toyko) is about 2 hours by car.
Kishiwada, see Hannan.
Kishon, see Haifa.
Kisiju, Tanzania: 7.20 S. 39.20 E. 30
Kiska Is., Alaska, U.S.A.: 51.58 N. 177.33 E. 54
Kismayu, see Chisimaio.
Kistrand, Norway: 70.24 N. 25.13 E. 15
Kita Is., Daito Is., Japan: 25.56 N. 131.18 E. 45
Kita Iwo, (Japan): 25.45 N. 141.19 E. 45
Kitakyushu, see Moji.
Kithira Is., Greece 24, 25
Kitimat, British Columbia, Canada: 53.59 N. 128.46 W. 56
Max. Size: LOA 680 ft. (207 m.), beam 90 ft. (27.4 m.), draft 36 ft. (11 m.) *Fuel:* Diesel oil only. *Airport:* Three flights daily from Terrace (40 miles distant) to Vancouver.
Kithnos Is., Cyclades, Greece 25
Kitlan Is., (Laccadives), India: 11.25 N. 73.00 E. 37
Kitsuki, Japan: 33.28 N. 131.35 E. 44
Kitty Hawk, North Carolina, U.S.A.: 36.20 N. 75.50 W. 63
Kivalina, Alaska, U.S.A.: 67.48 N. 164.45 W. 54
Kivik, Sweden: 55.40 N. 14.15 E. 10
Kizil Is., Turkey 25
Kjerringoy, Norway: 67.31 N. 14.46 E. 15
Kjollefjord, Norway: 70.58 N. 27.20 E. 10
Kjopsvik, Norway: 68.06 N. 16.21 E. 15
Klagshamn, Sweden: 55.31 N. 12.54 E 11
Klaipeda, U.S.S.R.: 55.43 N. 21.07 E. 9, 10
Max. Size: LOA 185 m., draft 10.6 m. Tankers: Draft 10.5 m.
Fuel: Barge only. *Airport:* At Palanga (25 km.).
Klaksvik, (Faeroe Islands), Denmark: 62.14 N. 6.35 W. 5
Max. Size: Up to 450 ft. LOA, draft 20 ft. *Fuel:* Diesel oil.
Airport: Nearest airport on Vagoy, about 6 hours travelling.
Klang, see Port Kelang.
Klemtu, British Columbia, Canada: 52.36 N. 128.31 W. 56
Kleven, see Mandal.
Klintehamn, Sweden: 57.23 N. 18.11 E. 10
Max. Size: Depth 5.0 m. *Fuel:* Available.
Knebel, Denmark: 56.13 N. 10.30 E. 11
Knysna, South Africa: 34.02 S. 23.03 E. 29
Koartac, Quebec, Canada: 61.00 N. 69.39 W. 59
Kobe, Japan: 34.40 N. 135.12 E. 42, 43, 44
Max. Size: Draft 10.71 m. for cargo vessels. Tankers: 70,000 d.w.t., LOA 250 m., draft 12.6 m. *Fuel:* All grades supplied by barge. *Dry Docks:* Largest: Length 290 m., depth 13.0 m. Capacity 150,000 d.w.t.
Airport: Osaka.
Kobenhavn, see Copenhagen.
Kochi, Japan: 33.30 N. 133.32 E. 44
Max. Size: Draft 7 m., 5,000 d.w.t.
Fuel: Bonded oil from Kobe, etc.
Kodgubi Is., see Tobi.
Kodiak, Alaska, U.S.A.: 57.47 N. 152.24 W. 54
Max. Size: Depth 38 ft. (MLLW). *Fuel:* Light fuels only.
Dry Docks: None. *Airport:* Local, 5 miles.
Koge, Denmark: 55.27 N. 12.12 E. 10, 11
Max. Size: LOA 160.0 m., draft 7.0 m. *Fuel:* Available.
Airport: Copenhagen, about 40 km.
Kogo, see Puerto Iradier.
Kogushi, Japan: 34.08 N. 130.50 E. 44
Kohani, see Mkoani.
Kohsichang, Thailand: 13.10 N. 100.50 E. 38
Max. Size: Draft 35 ft. – 47 ft. *Fuel:* By barges.
Airport: Bangkok.
Koja, see Botea.
Koje Is., South Korea 41, 44
Kojiro, Japan: 32.25 N. 130.24 E. 44
Kokkola, Finland: 63.50 N. 23.08 E. 9, 15
Max. Size: Draft 11 m. *Fuel:* Available. *Airport:* Kokkola, 19 km.
Koko, Nigeria: 6.01 N. 5.29 E. 27, 28
Max. Size: Wharf length, 137 m., draft at Escravos River Bar 6.4 m. (10 m. planned). Draft at berth 7.32 m.
Fuel: Available by barge.
Kokonau, Indonesia: 4.43 S. 136.26 E. 45
Kokopo, see Rabaul.

Kokura, Japan: 33.54 N. 130.53 E. **43, 44**
Max. Size: Draft 11.0 m. Tankers: Draft 6.5 m.
Fuel: All grades of bonded bunkers. *Airport:* Fukuoka.

Kola, U.S.S.R.: 68.52 N. 33.01 E. **16**

Kolachel, India: 8.10 N. 77.15 E. **37**

Kolberg, see Kolobrzeg.

Kolby Kas, Denmark: 55.49 N. 10.31 E. **11**

Kolding, Denmark: 55.29 N. 9.30 E. **10, 11**
Max. Size: LOA 200 m., draft 7.0 m. *Fuel:* Available.
Airport: Billund Airport, 40 km.

Kole Terminal (SBM), Cameroon: 4.13 N. 8.33 E. **28**
Max. Size: Draft 22 m. (72 ft.). *Fuel:* Not available.

Kolguyev Is., U.S.S.R.: 69.20 N. 48.30 E. **16**

Koliuchin Bay, U.S.S.R. **54**

Kollefjord, (Faeroe Is.), Denmark: 62.06 N. 6.55 W. **5**

Kolo Harbour, see Stilleryd.

Kolobrzeg, Poland: 54.11 N. 15.35 E. **10**

Kolonodale, Indonesia: 1.59 S. 121.20 E. **45**

Kolpis Kallonis, (Lesbos), Greece: 39.05 N. 26.05 E. **25**

Kolskiy Peninsula, U.S.S.R. **16**

Komandorski Islands, U.S.S.R. **54**

Komatsushima, Japan: 34.00 N. 134.36 E. **44**
Max. Size: LOA 175 m., draft 8.5 m. *Fuel:* All grades of bonded bunkers. *Dry Docks:* Nearest Osaka.
Airport: Tokushima, 10 miles.

Kompongsom, Cambodia: 10.38 N. 103.29 E. **38**
Max. Size: Cargo vessels: Draft 7.60 m. plus tide. Tankers: LOA 220 m., draft 11.50 m. *Fuel:* Only in an emergency. *Airport:* Ream (Domestic), 18 km.

Komsomolsk, U.S.S.R.: 50.32 N. 136.59 E. **41**

Konakri, see Conakry.

Konertino, see Rene.

Kong Karls Land, Norway **17**

Kongmoon, see Jiangmen.

Kongsdal, Denmark: 56.40 N. 10.04 E. **10, 11**

Kongshavn, Faeroe Is., (Denmark): 62.07 N. 6.44 W. **5**

Kongsmoen, Norway: 67.54 N. 12.25 E. **26**

Konigsberg, see Kaliningrad.

Koolan Island, see Yampi Sound.

Koper, Yugoslavia: 45.31 N. 13.44 E. **24**
Max. Size: General cargo: Draft 32 ft. Tankers: Draft 40 ft.
Fuel: Not available. *Dry Docks:* In Izola up to 16,000 d.w.t.
Airport: Pula, 100 km. Rijeka, 100 km.

Kopervik, Norway; 59.17 N. 5.19 E. **10**
Max. Size: LOA 80 m., depth 10 m. *Fuel:* Available.
Dry Docks: See Skudenshavn, Haugesund and Stavanger.
Airport: Haugesund and Karmoy.

Koping, Sweden: 59.31 N. 16.00 E. **10**
Max. Size: Draft 6.8 m. via Sodertalje, 5.65 m. via Stockholm.
Fuel: Available.

Kopmanholmen, Sweden: 63.10 N. 18.37 E. **15**

Kopparverket, see Helsingborg.

KOREA, NORTH (DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA) . . . **41, 42**

KOREA, SOUTH (REPUBLIC OF KOREA) **41, 42**

Korea Bay **41**

Korea Strait **41, 42**

Korf, U.S.S.R.: 60.10 N. 166.00 E. **54**

Korido, Indonesia: 0.50 S. 135.35 E. **45**

Korim, Indonesia: 0.55 S. 136.04 E. **45**

Korisia, Keos Is., Greece: 37.39 N. 24.20 E. **25**

Korkula, Yugoslavia: 42.58 N. 17.09 E. **24**

Koroni, Greece: 36.48 N. 21.57 E. **25**

Koror, see Malakal.

Korpo, Finland: 60.15 N. 21.45 E. **10**

Korsakov, U.S.S.R.: 46.37 N. 142.45 E. **42**

Korsnes, Norway: 68.15 N. 16.05 E. **15**

Korsor, Denmark: 55.20 N. 11.08 E. **10, 11**
Max. Size: LOA 225 m., draft 7.5 m.
Fuel: Available by truck. *Dry Docks:* Slipway 600 tons.
Airport: Nearest Copenhagen, 40 miles.

Kos, Kos Is., Greece: 36.54 N. 27.16 E. **25**

Koshiki Is., Japan **44**

Kosichang, see Kohsichang.

Kosong, Korea: 39.00 N. 127.50 E. **41, 42**

Kosseir, see Quseir.

Kota Bahru, Malaya, Malaysia: 6.08 N. 102.15 E. **38, 39**

Kota Baru, Indonesia: 3.14 S. 116.13 E. **38**

Kota Kinabalu, Sabah, Malaysia: 5.59 N. 116.00 E. **38, 45**
Max. Size: Depth alongside 9.45 m. *Fuel:* Not available.
Dry Docks: See Labuan, Sandakan. *Airports:* 4 km. – 10 km.

Kotadabok, see Dabo.

Kotka, Finland: 60.28 N. 26.57 E. **9, 10, 13**
Max. Size: Draft 15.3 m. *Fuel:* All grades available.
Dry Docks: Largest accepts vessels, LOA 165 m., beam 28 m., draft 7.8 m./12,000 tons. *Airport:* Helsinki-Vantaa, 140 km.

Kotlik, Alaska, U.S.A.: 63.02 N. 163.35 W **54**

Kotor, Yugoslavia: 42.25 N. 18.45 E. **24**

Kotu Group, see Tonga.

Kotzebue, Alaska, U.S.A.: 66.54 N. 162.36 W. **54**

Kotzebue Sound, Alaska, U.S.A. **54**

Kouaoua, New Caledonia: 21.24 S. 165.50 E. **48**
Max. Size: LOA 150 m., draft 8.5 m. See also Noumea.

Kouilou, Congo: 4.28 S. 11.39 E. **29**

Kourou, Guyane: 5.09 N. 52.40 W. **72**

Koutalas, Serifos Is., Greece: 37.08 N. 24.27 E. **25**

Kovda, U.S.S.R.: 66.41 N. 32.52 E. **16**

Koverhar, Finland: 59.52 N. 23.13 E. **10**
Max. Size: Draft 30 ft., LOA 200 m., beam 26 m.

Kowloon, see Hong Kong.

Kozlu, see Zonguldak.

Kozu Is., Japan: 34.14 N. 139.14 E. **42**

Kpeme, Togo: 6.12 N. 1.30 E. **27, 28**
Max. Size: Tankers: Draft 27 ft. Bulk carriers: Draft 38 ft. (sailing), LOA up to 220 m. *Fuel:* Not available.
Airport: Lome.

Krabi, Thailand: 8.04 N. 98.44 E. **38**
Max. Size: Depth 13 m. – 14 m. *Fuel:* Not available.
Airport: Phuket.

Kragenaes, Denmark: 54.55 N. 11.22 E. **11**

Kragero, Norway: 58.52 N. 9.25 E. **10**
Max. Size: Draft 30 ft. *Fuel:* May be available.
Airport: Kristiansand 170 km. Oslo 200 km.

Kralendijk, (Bonaire), Netherlands Antilles: 12.09 N. 68.17 W. **69, 73**
Max. Size: LOA 1,050 ft. Depth alongside 50 ft.
Salina: 40,000 d.w.t., depth 45 ft. *Fuel:* Available.
Airport: Flights from Bonaire to Curacao.

Kraljevica, see Krikvenica.

Kramfors, Sweden: 62.55 N. 17.45 E. **15**

Krasino, U.S.S.R.: 70.50 N. 54.55 E. **16**

Krasnogorsk, U.S.S.R.: 48.05 N. 141.25 E. **42**

Krefeld, Germany: 51.20 N. 6.34 E. **10**

Kribi, Cameroon: 2.56 N. 9.54 E. **28, 29**
Max. Size: Anchorage: No restrictions.

Krikvenica, Yugoslavia: 45.15 N. 14.35 E. **24**

Krionerion, Greece: 38.21 N. 21.36 E. **25**

Krishnapatnam, India: 14.17 N. 80.06 E. **37**

Kristiansand S., Norway: 58.09 N. 8.00 E. **9, 10**
Max. Size: Depths alongside up to 60 ft. (MLW), 24,000 gross tons. *Fuel:* All grades available. *Dry Docks:* Largest: Length 689 ft., width 100 ft., entrance width 95.9 ft., depth 25 ft., for vessels up to 13,000 d.w.t. *Airport:* 17 km. from harbour.

Kristiansund N., Norway: 63.07 N. 7.43 E. **9, 15**
Max. Size: Depth alongside 40 ft. *Fuel:* All grades available.
Airport: Connects with Oslo and Bergen.

Kristinehamn, Sweden: 59.19 N. 14.07 E. **10**
Max. Size: As for Trollhatte Canal: LOA 88 m., beam 13.1 m., draft 5.3 m. *Fuel:* By truck. *Airport:* Karlstad, 45 km.

Kristinestad, Finland: 62.16 N. 21.23 E. **9, 15**
Max. Size: General cargo and timber: 20 ft. depth in old port. Tankers: Depth 33 ft. Coal harbour: Depth 12.0 m.
Fuel: Available by tank cars. *Airport:* Nearest airports in Vaasa and Pori, 100 km..

Krk, Yugoslavia: 45.05 N. 14.38 E. **24**

Krokstrand, Sweden: 59.00 N. 11.27 E. **10**

Kronstadt, U.S.S.R.: 60.00 N. 29.45 E. **9, 10**

Krueng Geukeuh, see Lhokseumawe.

Krueng Raya, Indonesia: 5.35 N. 95.31 E. **38**
Max. Size: Depth 6 m. *Fuel:* Not available.

Krui, Indonesia: 5.11 S. 103.56 E. **38**

Kuala Baram, see Miri.

Kuala Belait, Brunei: 4.38 N. 114.11 E. **38**

Kuala Beukah, Indonesia: 4.53 N. 97.57 E. **38, 39**
Max. Size: 61,000 d.w.t., LOA 220 m., depth 25 m.
Fuel: Not available.

Kuala Kemaman, see Tanjung Berhala.

Kuala Niah, see Niah.

Kuala Pahang, see Pahang.

Kuala Rompin, see Rompin.

Kuala Suai, see Suai.

Kuala Tanjung, Indonesia: 3.22 N. 99.28 E. **38, 39**
Max. Size: Depth 9 m. *Fuel:* Not available.

Kuala Terengganu, Malaysia: 5.21 N. 103.08 E. **38, 39**

Kualakapuas, Indonesia: 3.00 S. 114.23 E. **38**

Kualalangsa, Indonesia: 4.31 N. 98.00 E. **38, 39**

Kuandang, Indonesia: 0.51 N. 122.55 E. **45**

Kuang Chou, see Guangzhou.

Kuantan, Malaysia: 3.50 N. 103.19 E. **38, 39**
(incl. Kuantan New Port: 3.58 N. 103.26 E)
Max. Size: LOA 200 m., draft 11.2 m. Tankers: (Palm, Minerals and Oil) LOA 125 m. – 180 m., draft 8 m. – 11.5 m.
Fuel: Diesel available. *Airport:* Domestic 25 miles (41 km.).

Kubikenbork, see Sundsvall.
Kuching, Sarawak, Malaysia: 1.34 N. 110.21 E. **38, 45**
Max. Size: Tanah Puteh: LOA 100 m., draft 5.18 m. Baiwak Wharf, Pending Point: LOA 110 m., draft 6.4 m. Pelabuhan Datuk Sim Kheng Hong (Pending): LOA 150 m., draft 7.62 m. *Fuel:* High-speed diesel fuel oil. *Airport:* 6.5 miles (10 km.) from port at Tanah Puteh.
Kuchinotsu, Japan: 32.36 N. 130.11 E. **44**
Kudamatsu, Japan: 34.00 N. 131.52 E. **42, 44**
Max. Size: Draft 11 m. Tankers: Draft 19 m., 178,000 d.w.t. *Fuel:* All grades of marine oil *Dry Docks:* Largest (Building Dock) length 255 m., breadth 50 m., depth 11.00 m., capacity 90,000 d.w.t. *Airports:* Ube and Hiroshima.
Kudat, Sabah, Malaysia: 6.53 N. 116.51 E. **38, 46**
Max. Size: Depth 21 ft.
Kumai, Indonesia: 2.45 S 111.43 E. **38**
Kume Is., Japan: 26.24 N. 126.45 E. **41**
Kumkale, Turkey: 40.03 N. 26.15 E. **25, 26**
Kumlinge, Finland: 60.15 N. 20.45 E. **10**
Kumnyong, Quelpart Island, South Korea: 33.30 N. 126.45 E. . **41**
Kumpusaari, Finland: 62.52 N. 27.13 E. **13**
Max. Size: See Saimaa Canal.
Kumta, India: 14.26 N. 74.24 E. **37**
Kunak, Sabah, Malaysia: 4.41 N. 118.15 E. **45**
Max. Size: Depth 35 ft.
Kunashir Is., Kurile Is., U.S.S.R. **42**
Kunda, U.S.S.R.: 59.31 N. 26.33 E. **10**
Kungsbacka, Sweden: 57.29 N. 12.05 E. **11**
Kungshamn, see Smogen.
Kungsor, Sweden: 59.26 N. 16.06 E. **10**
Kunsan, South Korea: 35.55 N. 126.45 E. **41**
Max. Size: Draft 18 ft. to 27 ft., depending on height of tide.
Kuntaur, Gambia: 13.40 N. 14.52 W. **27**
Max. Size: Loaded draft 17 ft. 6 in.
Kuop Is., see Truk.
Kuopio, Finland: 62.52 N. 27.31 E. **13**
Max. Size: See Saimaa Canal.
Kupang, Indonesia: 10.10 S. 123.35 E. **45**
Kupiano, Papua New Guinea: 10.06 S. 148.05 E. **45**
Kure, Japan: 34.14 N. 132.32 E. **44**
Max. Size: Draft 18 m. with tide. *Fuel:* Most grades of domestic oil are available. *Dry Docks:* Largest 800,000 tons. *Airport:* Hiroshima, 35 km.
Kurgan, U.S.S.R.: 64.45 N. 173.00 E. **54**
Kuria Muria Is, Oman: 17.30 N. 56.00 E. **31**
Kurihama, see Uraga.
Kuril Strait, U.S.S.R. **54**
Kurile Islands, U.S.S.R. **42**
Kurilsk, U.S.S.R.: 45.15 N. 147.50 E. **42**
Kurkurah, Libya: 31.30 N. 20.00 E. **24**
Kurnell, see Botany Bay.
Kurressaare, see Kingisepp.
Kusadasi, Turkey: 37.52 N. 27.16 E. **25, 26**
Kusaie Is., Caroline Is., Micronesia: 5.20 N. 162.58 E. **48**
Kusanartoq, Greenland, (Denmark): 61.45 N. 42.15 W. **17**
Kushan, China: 39.50 N. 123.32 E. **41**
Kushikino, Japan: 31.42 N. 130.16 E. **44**
Kushiro, Japan: 42.58 N. 144.21 E. **42**
Max. Size: 40,000 d.w.t., depth 12 m. *Fuel:* Domestic oil available. Bonded oil from Hakodate, etc. *Dry Docks:* None. Nearest Hakodate. *Airport:* 40 minutes by road.
Kushunnai, see Ilinskiy.
Kuskokwim Bay, see Kwigillingok.
Kutdlek, Greenland, (Denmark): 62.30 N. 42.12 W. **17**
Kuto, Isle of Pines, New Caledonia: 22.40 S. 167.26 E. **48**
Max. Size: Depth 4 m. See also Noumea.
Kutubidia, see Chittagong.
KUWAIT **31, 35**
Kuwait Harbour, see Shuwaikh.
Kuzkin Is., U.S.S.R.: 72.50 N. 78.45 E. **16**
Kuzomen, U.S.S.R.: 66.20 N. 36.50 E. **16**
Kvalsund, Norway: 70.30 N. 24.00 E. **15**
Kvarnholmen, see Stockholm.
Kvinesdal, Norway: 58.17 N. 6.58 E. **10**
Kwa Iboe, see Qua Iboe.
Kwajalein, Marshall Is, (U.S.A.): 8.43 N. 167.44 E. **48**
Kwangchow, see Guangzhou.
Kwatisore, Indonesia: 3.10 S. 134.59 E. **45**
Kwethluk, Alaska, U.S.A.: 60.30 N. 161.10 W. **54**
Kwigillingok, Alaska, U.S.A.: 59.45 N. 163.00 W. **54**
Kwiguk, Alaska, U.S.A.: 62.44 N. 164.30 W. **54**
Kwinana, W.A., Australia: 32.15 S. 115.47 E. **49**
Max. Size: Tankers: LOA 860 ft., draft 41 ft. 6 in. (12.65 m.) Alumina: LOA 200 m., draft 11.0 m. See also Fremantle.
Kyaikkami, Myanmar: 16.02 N. 97.55 E. **38**
Kyaukpyu, Myanmar: 19.26 N. 93.34 E. **38**
Kyle of Lochalsh, U.K.: 57.17 N. 5.44 W. **5**
Kyleakin, see Kyle of Lochalsh.
Kymassi, Greece: 38.49 N. 23.32 E. **24, 25**
Max. Size: Draft 26 ft. 6 in.
Kyndby, Denmark: 55.49 N. 11.53 E. **10, 11**
Max. Size: Oil Berth: Depth 21 ft. 6 in., LOA 570 ft. Coal Berth: Depth 23 ft. *Fuel:* Available by trucks or barge from Copenhagen. *Airport:* 40 miles to Copenhagen.
Kyomipo, Korea: 38.44 N. 125.38 E. **41**
Kyrenia, Cyprus: 35.20 N. 33.19 E. **26**
Max. Size: LOA 150 m., draft 8 m. *Fuel:* Tanker lorries. *Airport:* Ercan, 25 miles.
Kyushu Is., Japan **41, 42, 44, 45**

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La Albufera, Spain: 39.20 N. 0.16 W. 22

La Calle, Algeria: 36.55 N. 8.27 E. 24

La Callera, see Mazaron.

La Ceiba, Honduras: 15.46 N. 86.50 W. 69
Max. Size: LOA 600 ft., draft 23 ft.
Airport: Connects with New York and Miami.

La Ceiba, Venezuela: 9.28 N. 71.04 W. 69, 73
Max. Size: Approach channel dredged to 9 m. LOA 120 m.
Airport: Maracaibo.

La Chimba Cove, see Antofagasta.

La Chiva, see Antilla.

La Ciotat, France: 43.10 N. 5.36 E 22
Max. Size: Largest vessel: LOA 380 m., beam 60 m., draft 7.5 m.
Fuel: Available. *Airport:* Marseilles, 55 km.

La Coruna, see Corunna.

La Cruz, see Puerto La Cruz.

La Esperanza, Cuba: 22.50 N. 83.45 W. 69

La Estacada, Venezuela; 10.42 N. 71.32 W. 69, 73
Terminal not in use. Buoys have been removed.

La Flotte, see St. Martin.

La Goulette, Tunisia: 36.49 N. 10.18 E. 24
Max. Size: Draft 32 ft., LOA 185 m. Tankers: Up to 27 ft. 6 in. draft. *Dry Docks:* Menzel Bourguiba: 253 m. long, 41 m. wide, 10.5 m. depth. *Airport:* 10 km.

La Guaira, Venezuela: 10.36 N. 66.56 W. 69, 74
Max. Size: Depths to 10.95 m.
Dry Docks: See Puerto Cabello. *Airport:* 10 km.

La Gunillas, Venezuela: 10.08 N. 71.17 W. 73

La Have, Nova Scotia, Canada: 44.17 N. 64.20 W. 60

La Libertad, Ecuador: 2.12 S. 80.55 W. 72
Max. Size: Anchorage: Depth 36 ft. Tankers: LOA 650 ft., beam 84 ft., loaded draft 34 ft. 6 in. *Fuel:* Available with 72 hours' prior notice. *Airport:* Guayaquil, 130 km.

La Libertad, El Salvador: 13.29 N. 89.19 W. 69
Port closed.

La Linea, Spain: 36.15 N. 5.23 W. 20

La Louviere, Belgium: 50.25 N. 4.20 E. 7

La Maddelena, (Sardinia), Italy: 41.13 N. 9.25 E. 21, 24

La Mede, see Berre.

La Mondah, Gabon: 0.34 N. 9.32 E. 28

La Moule, Guadeloupe, (France): 16.20 N. 61.21 W. 69

La Nouvelle, France: 43.01 N. 3.04 W. 22
Max. Size: LOA 150 m., beam 25 m., draft 8.0 m.
Tanker sea line: Max. draft 18 m. *Fuel:* Available.
Airport: Marseilles International.

La Pallice, France: 46.10 N. 1.14 W. 19
Max. Size: Oil Pier: 100,000 d.w.t., LOA 290 m., draft 16 m.
Cargo vessels: Depth 12 m. *Fuel:* Tank trucks only.
Dry Docks: Largest: 176 m. × 22 m.

La Palma, Panama: 8.13 N. 78.00 W. 69

La Paloma, Uruguay: 34.37 S. 54.09 W. 72

La Pampilla, Peru: 11.55 S. 77.09 W. 72
Max. Size: 200,000 d.w.t. or 250,000 d.w.t. part load.

La Paz, Argentina: 30.45 S. 59.39 W. 72

La Paz, Mexico: 24.12 N. 110.20 W. 57

La Perouse Strait, Japan/U.S.S.R. 42

La Plata, Argentina: 34.54 S. 57.55 W. 72, 75
Max. Size: LOA 215 m., beam 33 m., draft 23 ft. – 25 ft.
Fuel: Available.

La Pointe, Wisconsin, U.S.A.: 46.47 N. 90.47 W. 62

La Push, Washington, U.S.A.: 47.54 N. 124.38 W. 56

La Rochelle, France: 46.09 N. 1.09 W. 8, 19
Max. Size: Tidal harbour: LOA 560 ft., draft 29 ft.
Also see La Pallice.

La Romana, Dominican Republic: 18.27 N. 69.01 W. 69
Max. Size: LOA: 580 ft., draft 28 ft. *Fuel:* Not available.
Airport: 70 km.

La Salina, Venezuela: 10.22 N. 71.28 W. 69, 72, 73
Max. Size: 112,000 d.w.t. LOA 900 ft., draft 39 ft.
Fuel: Bunker C, marine diesel and intermediate.

La Salinetas, Gran Canaria, Canary Islands, (Spain):
27.58 N. 15.22 E. 27
Max. Size: LOA 150 m., draft 8.5 m. *Fuel:* Not available.
(See Las Palmas). *Airport:* 5 km.

La Seyne, see Toulon.

La Skhirra, Tunisia: 34.18 N. 10.09 E. 24
Max. Size: LOA 300 m. Draft 47 ft. 6 in. or 50 ft. (HW).
Fuel: Not available. *Airport:* Tunis, 350 km. Sfax, 80 km.

La Spezia, Italy: 44.01 N. 9.51 E. 21, 24
Max. Size: Draft: 33 ft. for the Mercantile Port and grain silos.
Coal berth: Max. draft 30 ft. 4 in. Enel Pier: Max. draft 35 ft.
Tankers up to 40 ft. draft accommodated. *Fuel:* Available.
Dry Docks: Floating dock 110,000 d.w.t.

La Teja, see Montevideo.

La Tremblade, France: 45.46 N. 1.08 W. 19

La Trinite, Martinique, (France): 14.45 N. 60.58 W. 69, 71

La Union, El Salvador: 13.20 N. 87.50 W. 69
Max. Size: Depth 25 ft., LOA 550 ft. At anchor 43 ft. least depth.
Fuel: Bunkers and diesel at berths.
Airport: El Salvador, 102 miles.

La Urbana, Venezuela: 7.10 N. 66.55 W. 74

La Vela de Coro, see Coro.

Laajasalo Harbour, see Helsinki.

Laayoune, Morocco: 27.04 N. 13.28 W. 27
Max. Size: Depth 17 m. at LWL at phosphate berth, and 8 m. LWS at general cargo berth. *Fuel:* Not available.
Airport: Aaiun, 30 km.

Labasa, Fiji: 16.26 S. 179.22 E. 48
Max. Size: LOA 174 m., draft 10.5 m. *Fuel:* See Suva.
Airport: Suva.

L'Aberwrach, France: 48.36 N. 4.33 W. 19

Laboe, Germany: 54.25 N. 10.13 E. 11

Labrador, Newfoundland, Canada 59

Labrador Sea 59

Labuan, Sabah, Malaysia: 5.17 N. 115.15 E. 38
Max. Size: Depth 28 ft. 6 in. at Liberty Wharf, 31 ft. at Shell Wharf. *Fuel:* Bulk furnace oil and high speed diesel usually available.

Labuan Terminal, Sabah, Malaysia: 5.16 N. 115.07 E. 38
Max. Size: 320,000 s.d.w.t., draft 74 ft.

Labuantring Bay, Indonesia: 8.44 S. 116.04 E. 38
Max. Size: Depth 6.5 m. – 7.5 m. Anchorage (Ampenan): No restrictions. *Fuel:* Limited availability.
Airport: Services to Bali and Java.

Labuha, Indonesia: 0.38 S. 127.28 E. 45

Labuhanbilik, Indonesia: 2.31 N. 100.10 E. 38, 39

Labutta, Myanmar: 16.05 N. 94.30 E. 38

Labytnangi, U.S.S.R.: 66.38 N. 66.20 E. 16

Laccadive Is., India 37

Lachine, Quebec, Canada: 45.28 N. 73.39 W. 61

Lachine Section, St. Lawrence Seaway 61

Lackawanna, New York, U.S.A.: 42.50 N. 78.52 W. 62

Lacustre, see La Salina.

Ladario, see Corumba.

Ladner, British Columbia, Canada: 49.05 N. 123.05 W. 56

Ladysmith, British Columbia, Canada: 48.59 N. 123.47 W. 56

Lae, Papua New Guinea: 6.44 S. 146.59 E. 45
Max. Size: Depth 11.00 m. at LAT. *Fuel:* Diesel and fuel oil.
Airport: 40 km.

Laem Chabang, Thailand: 13.05 N. 100.53 E. 38
Max. Size: Depth 14.0 m.

Laeso Is., Denmark 10, 11

Lagarterito, Panama: 9.05 N. 79.55 W. 70

Lage, Spain: 43.13 N. 9.00 W. 20

Lagos, Greece: 41.00 N. 25.08 E 25

Lagos, Nigeria: 6.27 N. 3.24 E. 27, 28, 29
(incl. Apapa)
Max. Size: Draft 10.5 m. See also Tin Can Island.
Fuel: Available. *Dry Docks:* Largest has draft 18 ft.
Airport: International, 14.4 km.

Lagos, Portugal: 37.06 N. 8.40 W. 20

Lagrange, W.A., Australia: 18.45 S. 121.45 E. 49

Laguna, Brazil: 28.30 S. 48.46 W. 72
Max. Size: Depth 5 m. *Fuel:* Diesel only.
Airport: Nearest, Florianopolis (130 km.).

Lahad Datu, Sabah, Malaysia: 5.02 N. 118.20 E. 38, 45, 46
Max. Size: Depth alongside 36 ft.

Lahinch, Eire: 52.58 N. 9.21 W. 3

Laiwui, Indonesia: 1.20 S. 127.38 E. 45

Lajes, Flores, Azores, (Portugal): 39.23 N. 31.11 W. 20

Lake Charles, Louisiana, U.S.A.: 30.13 N. 93.15 W. 55, 66
Max. Size: LOA 1,000 ft., depth 30 ft.– 40 ft.
Tankers: Depth 28 ft. – 40 ft. *Fuel:* Bunker C, diesel.
Dry Docks: None. *Airport:* 7 miles.

Lake Harbour, N.W. Territories, Canada: 62.49 N. 69.50 W. 59

Lake River, Ontario, Canada: 53.35 N. 82.19 W. 59

Lakes:

Lake Borgne, Mississippi Delta 67

Lake Champlain, U.S.A. 60, 61

Lake Erie, Canada/U.S.A. 60, 62

Lake Glan, Sweden 10

Lake Huron, Canada/U.S.A. 60, 62

Lake Iliamna, Alaska, U.S.A. 54

Lake Inari, Finland 15

Lake Kivu, Zaire 30

Lake Madden, Panama 70

Lake Manzala, Egypt 33

Lake Maracaibo, Venezuela 69, 72

Lake Maurepas, Mississippi Delta, U.S.A. 67

Lake Melville, Newfoundland, Canada 59

Lake Michigan, U.S.A. 62

Lake Nipigon, Ontario, Canada 62

Lake Nyasa, Malawi 30

Lake Ontario, Canada/U.S.A. 60, 62

Lake Pontchartrain, Mississippi Delta, U.S.A. 67
Lake Roxen, Sweden 9, 10
Lake Saimaa, Finland 9, 13
Lake St. Clair, U.S.A./Canada 62
Lake St. Francis, St. Lawrence Seaway 61
Lake St. Louis, St. Lawrence Seaway 61, 62
Lake Salvador, Mississippi Delta, U.S.A. 67
Lake Superior, U.S.A./Canada 62
Lake Tanganyika, Tanzania/Zaire 30
Lake Tiberias, Israel 26
Lake Timsah, Suez Canal, Egypt 33
Lake Vanern, Sweden 9, 10
Lake Vattern, Sweden 9, 10
Lake Victoria, Uganda/Tanzania/Kenya 30
Lake Winnebago, Wisconsin, U.S.A. 62

Lakehead Harbour, see Thunder Bay.

Lakeport, Michigan, U.S.A.: 43.05 N. 82.35 W. 62

Lakes Entrance, Victoria, Australia: 37.48 S. 148.00 E. . . . 49, 50

Lakewood, Ohio, U.S.A.: 41.30 N. 81.50 W. 62

Lakhpat, India: 23.45 N. 68.45 E. 37

Lakki, Greece: 37.07 N. 26.51 E. 25

Lakselv, Norway: 70.00 N. 24.55 E. 15

Lakshadweep Islands, see Laccadive Is.

Lamaline, Newfoundland, Canada: 46.51 N. 55.48 W. 60

Lambasa, Fiji: 16.25 S. 179.20 E. (Also see Labasa) 48

Lamberts Bay, South Africa: 32.05 S. 18.18 E. 29

Lameque, Ontario, Canada: 47.47 N. 64.40 W. 60

Lamlash, U.K.: 55.32 N. 5.08 W. 5

Lamobuang, Peleng Is., Indonesia: 1.19 S. 123.20 E. 45

Lamoliaur Ulu Is., see Ngulu.

Lamotrek, Caroline Is., Micronesia: 7.28 N. 146.22 E. 45

Lampedusa, Isla, Italy: 35.30 N. 12.36 E. 24

Lampione, Italy: 35.30 N. 12.30 E. 24

Lampung, see Panjang.

Lamu, Kenya: 2.15 S. 40.54 E. 30

Lan Shui Terminal, China: 20.50 N. 115.42 E. 38

Lan Yu Is., Taiwan: 22.03 N. 121.33 E. 41, 45

Lancaster, Ontario, Canada: 75.09 N. 74.30 W. 61

Lancaster, U.K.: 54.03 N. 2.47 W. 5

Landana, see Cabinda.

Landernau, France: 48.27 N. 4.15 W. 19

Lands End, U.K.: 50.05 N. 5.45 W. 5, 19

Landskrona, Sweden: 55.52 N. 12.48 E. 9, 10, 11
Max. Size: Draft 10 m., LOA 190 m. *Fuel:* Small quantities of fuel oil can be obtained. *Dry Docks:* 25,000 d.w.t.
Airport: Sturup, 60 km.

Landwehr, see Flemhude.

Langeland Belt 11

Langeland Is., Denmark 10, 11

Langemak Bay, see Finschhaven.

Langesand, see Kollefjord.

Langesund, Norway: 59.00 N. 9.45 E. 9, 15

Langoya, Lofoten Is., Norway: 68.45 N 15.00 E. 15

Langror, Sweden: 61.16 N. 17.11 E. 15
Max. Size: Depth 8.3 m. at quay. LOA 170 m.
Fuel: Available. *Airport:* Nearest Stockholm.

Langshan, see Nantong.

Langstone, U.K.: 50.51 N. 0.59 W. 7

Lannion, France: 48.44 N. 3.28 W. 7, 19

L'Anse, Michigan, U.S.A.: 46.45 N. 88.28 W. 62

Lanshantao, China: 35.06 N. 119.22 E. 41
Max. Size: Draft 10.2 m. *Fuel:* Not available.

Lanzarote Is., Canary Islands, (Spain) 27

Laoag, Luzon, Philippines: 18.10 N. 120.35 E. 46

Laoang, Samar, Philippines: 12.30 N. 125.10 E. 45, 46

Lapaluoto, see Raahe.

Lappeenranta, Finland: 61.05 N. 28.09 E. 13
Max. Size: See Saimaa Canal.

Lappohja, Finland: 59.55 N. 23.18 E. 15

Larache, Morocco: 35.12 N. 6.09 W. 22, 27

Larantuka, Indonesia: 8.20 S. 122.59 E. 45

Largs, U.K.: 55.48 N. 4.52 W. 6

Larimna, Greece: 38.34 N. 23.16 E. 25

Larivot, see La Larivot.

Lark Harbour, Newfoundland, Canada: 49.06 N. 58.20 W. 60

Larnaca, Cyprus: 34.55 N. 33.39 E. 26
Max. Size: LOA 202 m., draft 11.4 m.
Tankers: LOA 600 ft., draft 32 ft. *Fuel:* Available.
Airport: 3 miles (International).

Larne, U.K.: 54.51 N. 5.48 W. 5, 6
Max. Size: Draft 22 ft. 03 in. Tankers: LOA 260 ft., channel depth 30 ft. (MLWS), berth depth 35 ft.
Fuel: By road tanker. *Airport:* Belfast, 20 miles.

Larsen Bay, Alaska, U.S.A.: 57.32 N. 153.59 W. 54

Larvik, Norway: 59.03 N. 10.02 E. 8, 10
Max. Size: LOA 644 ft. 8 in., beam 83 ft. 3 in., draft 32 ft. 6 in.
Fuel: Fuel oil, gas oil, diesel oil.
Airport: Skien, 40 km. Torp, 35 km. Fornebu, 130 km.

Las Cascadas, Panama: 9.05 N. 79.41 W. 70

Las Mareas, Puerto Rico: 17.55 N. 66.10 W. 69, 71
Max. Size: Draft 37 ft. *Fuel:* Not available.
Dry Docks: See San Juan.

Las Minas, see Bahia Las Minas.

Las Minas Bay, Panama 70

Las Palmas, Grand Canary, Canary Islands, (Spain):
28.05 N. 15.27 W. 20
Max. Size: Draft 36 ft. – 39 ft. Tankers: Draft 66 ft. Largest vessel 550,000 d.w.t. *Fuel:* Fuel oil, diesel oil and gas oil.
Dry Docks: Vessels up to 190 m. LOA, 30 m. beam and 30,000 g.r.t. *Airport:* International, 26 km.

Las Perlas, Nicaragua: 12.21 N. 83.42 W. 69

Las Piedras, Venezuela: 11.30 N. 70.10 W. 69, 73

Las Piedras Paraguana, see Amuay Bay.

Las Salinetas, see Las Palmas.

Las Tres Marias Is., Mexico: 21.20 N. 106.40 E. 57

Lastovo, Yugoslavia: 42.46 N. 16.54 E. 24

Latchford, see Warrington, U.K.

Latchi, Cyprus: 35.03 N. 32.27 E. 26
Max. Size: No restrictions, loading by barge.
Fuel: Not available. *Airport:* Larnaca, 70 miles.

Latouche, Alaska, U.S.A.: 60.03 N. 148.04 W. 54

Latta, see Port Latta.

Lattakia, Syria: 35.31 N. 35.46 E. 26
Max. Size: Depths up to 9.5 m. (31 ft.).
Fuel: Available. *Airport:* Damascus, 340 km.

Latvia, U.S.S.R. 10

Lau Group, see Fiji.

Launceston, Tasmania, Australia: 41.27 S. 147.07 E. 49
Max. Size: Draft 9.0 m. – 11.1 m. *Fuel:* Available.
Dry Docks: 62.5 m. length and 3.66 m. (12 ft.) draft. Width of entrance 12.80 m.
Airport: 15 km., connects with Melbourne and Sydney.

Lauritsala, Finland: 61.05 N. 28.17 E. 13
Max. Size: See Saimaa Canal.

Laurium, see Lavrion.

Lauterbach, Germany: 54.20 N. 13.30 E. 10

Lautoka, (Viti Levu Is.), Fiji: 17.36 S. 177.26 E. 48
Max. Size: Up to 32 ft. draft. Tankers (Vuda Pt.): Available depth about 36 ft., 18,000 – 24,000 d.w.t. *Fuel:* Diesel only.
Airport: Nandi, 16 miles.

Lauzon, Quebec, Canada: 46.48 N. 71.09 W. 60

Lavaca, see Port Lavaca.

Lavan Island, Iran: 26.47 N. 53.20 E. 31, 35
Max. Size: LOA 1,100 ft., depth 68 ft. *Airport:* Charter only.

Lavera, see Port de Bouc.

Lavola, see Vyborg.

Lavrentiya, U.S.S.R.: 65.35 N. 171.05 W. 54

Lavrion, Greece: 37.42 N. 24.04 E. 25, 26
Max. Size: LOA 130 m. (approx.), draft 21 ft.
Fuel: Small quantities available. *Airport:* Athens, 45 km.

Lawas, see Limbang.

Lawi-Lawi Terminal (SBM), Indonesia: 1.27 S. 116.46 E. 38
Max. Size: 135,000 d.w.t., LOA 290 m., depth 22 m.
Fuel: Not available. *Airport:* Sepinggan, 8 km.

Laxey, U.K.: 54.13 N. 4.23 W. 5

Laysan Is., Hawaii, U.S.A.: 25.25 N. 171.45 W. 48

Lazaret, see Toulon.

Lazareta, see Syros.

Lazarev, U.S.S.R.: 52.12 N. 141.33 E. 42

Lazaro Cardenas, Mexico: 17.55 N. 102.10 W. 57
Max. Size: Depth 14 m. *Fuel:* Not available.
Dry Docks: None. *Airport:* 135 km., connects with Mexico City.

Le Carnet, France: 47.17 N. 2.00 W. 19

Le Chateau d'Oleron, France: 45.53 N. 1.11 W. 8, 19
Max. Size: Tidal Harbour – depth 4.9 m. HW.

Le Conquet, France: 48.21 N. 4.47 W. 19

Le Croisic, France: 47.18 N. 2.31 W. 19

Le Guildo, France: 48.37 N. 2.13 W. 7

Le Have, Nova Scotia, Canada: 44.17 N. 64.20 W. 60

Le Havre, France: 49.30 N. 00.07 E. 7, 8
Max. Size: Depth 12.0 m. Tankers: LOA 292 m., draft 20 m. (Also see Antifer). Bulk carriers: Up to 195,000 d.w.t., draft 17.16 m. *Fuel:* All grades available, viscosities from 200 sec. to 3,000 sec. Redwood. *Dry Dock:* Large dry docks and floating docks. *Airport:* 7 km. from town, connects to Paris and Gatwick.

Le Larivot, Guyane: 4.54 N. 52.22 W. 72
Max. Size: LOA 100 m., depth 4.9 m.

Le Palais, France: 47.21 N. 3.09 E. 19

Le Treport, France: 50.04 N. 1.22 E. 7

Le Verdon, France: 45.33 N. 1.03 W. 8, 19
Max. Size: Petroleum Harbour: Tankers up to 240 m. LOA or 80,000 d.w.t. Also see Bordeaux. Containers: Depth 12.5 m.

Leamington, Ontario, Canada: 42.02 N. 82.36 W. 62
Learmonth, W.A., Australia: 22.12 S. 114.06 E. 49
LEBANON 21, 26
Lebu, Chile: 37.38 S. 73.41 W. 72
Leer, Germany: 53.14 N. 7.27 E. 8, 10
Leeuwarden, Netherlands: 53.15 N. 5.47 E. 10
Leeward Islands 69
Lefkandion, Greece: 38.24 N. 23.41 E. 25
Legazpi, Luzon, Philippines: 13.10 N. 123.45 E. 45, 46
Max. Size: LOA 120 m.; draft 25 ft. Tankers: LOA 230 m., draft 35 ft. *Fuel:* All grades. *Airport:* 5 km.
Leghorn, see Livorno.
Lei Zhou, China: 20.50 N. 110.12 E. 38
Leiden, Netherlands: 52.09 N. 4.29 E. 7
Leirvik, see Lervik.
Leith, U.K.: 55.59 N. 3.10 W. 5, 6
Max. Size: Entrance lock: 259 m.×31.6 m. wide. Imperial Dock: Draft 9.1 m. Western Harbour: Draft 9.7 m. *Fuel:* All grades. *Dry Docks:* Length 167.6 m. width of entrance 21.3 m., depth over blocks 7.7 m. *Airport:* Edinburgh, 9 miles.
Leith Harbour, South Georgia Is., (U.K.): 53.44 S. 36.48 W. . . 72
Leixoes, Portugal: 41.11 N. 8.43 W. 21, 22
Max. Size: Draft 31 ft. Tankers: Draft 36 ft. – 42 ft., 120,000 d.w.t. *Fuel:* Available. *Airport:* 7 km., connects with Lisbon.
Leksula, Indonesia: 3.47 S. 126.31 E. 45
Leksvik, Norway: 63.45 N. 10.50 E. 15
Leland, Michigan, U.S.A.: 45.01 N. 85.46 W. 62
Lele, Caroline Is., (U.S.A.): 5.19 N. 163.02 E. 48
Lemieux Is., N.W. Territories, Canada: 63.50 N. 64.15 W. 59
Lemmer, Netherlands: 52.52 N. 5.43 E. 7, 10
Lemnos Is., Greece 25, 26
Lempire, see Porto Lempire.
Lemvig, Denmark: 56.33 N. 8.19 E. 10
Lenadura, see Punta Arenas.
Leningrad, U.S.S.R.: 59.53 N. 30.13 E. 9, 10
Max. Size: Draft 11 m. LOA 260 m., beam 40 m. *Fuel:* Available. *Dry Docks:* Available.
Leniston, New York, U.S.A.: 43.10 N. 79.03 W. 62
Leonardo, New Jersey, U.S.A.: 40.26 N. 74.04 W. 63
Leonardtown, Maryland, U.S.A.: 38.18 N. 76.39 W. 63, 65
Leonidhion, Greece: 37.09 N. 22.53 E. 25
Lepu, Indonesia: 1.00 N. 107.34 E. 38
Lequeitio, Spain: 43.22 N. 2.32 W. 19
Leros Is., Greece 25
Lervik, Norway: 59.49 N. 5.31 E. 10
Lerwick, U.K.: 60.09 N. 1.08 W. 5, 17
Max. Size: Normally 20 ft. draft and 320 ft. LOA. *Fuel:* Gas oil. *Dry Docks:* Floating Dock, 2,750 tons. *Airport:* 25 miles.
Les Cayes, Haiti: 18.11 N. 73.44 W. 69
Les Escoumins, Quebec, Canada: 48.20 N. 69.20 W. 60
Max. Size: Largest vessel: Draft 15.5 ft.
Les Falaises, Algeria: 36.38 N. 5.25 E. 22
Les Minquiers: 48.58 N. 2.04 W. 7, 19
Les Sables D'Olonne, France: 46.29 N. 1.47 W. 19
Max. Size: LOA 110 m., beam 16 m., draft 6.2 m. *Fuel:* Tanker lorries. *Airport:* Nantes, 87 km.
Lesbos Is., Greece 25, 26
Lesnoy, U.S.S.R.: 66.35 N. 34.20 E. 16
Lesogorsk, U.S.S.R.: 49.27 N. 142.08 E. 42
L'Esperance Rock, Kermadec Is., (New Zealand): 31.30 S. 178.36 W. 48
Lesser Antilles 69
Lesser Sunda Islands 45
Letang Harbour, New Brunswick, Canada: 45.03 N. 66.50 W. . 60
Leticia, Colombia: 4.08 S. 70.00 W. 72
Levadhia, Greece: 38.25 N. 22.55 E. 24, 25
Levanger, Norway: 63.45 N. 11.18 E. 15
Levanso Is., (Sicily), Italy: 38.00 N. 12.22 E. 24
Levant Is., France: 43.00 N. 6.30 E. 22
Leven, see Methil.
Levis, Quebec, Canada: 46.47 N. 71.10 W. 60
Levisa Bay, see Nicaro.
Levitha Is., Greece: 37.00 N. 26.30 E. 25
Levkas, Greece: 38.48 N. 20.45 E. 24, 25
Levuka, (Ovalau Is.), Fiji: 17.41 S. 178.51 E. 48
Max. Size: LOA 560 ft., draft 25 ft. *Fuel:* Light marine diesel only. *Airport:* 12 miles from port, connects to Nandi International.
Lewes, Delaware, U.S.A.: 38.47 N. 75.08 W. 63, 65
Lewis, U.K.: 58.15 N. 6.45 W. 5
Lewisporte, Newfoundland, Canada: 49.15 N. 55.03 W. 60
Lewiston, New York, U.S.A.: 43.10 N. 79.03 W. 62
Leyte Is., Philippines 45, 46
Lezardrieux, France: 48.47 N. 3.06 W. 7, 19
Lhoknga, Indonesia: 5.27 N. 95.14 E. 38
Max. Size: LOA 150 m., draft 9.1 m. *Fuel:* Not available. *Airport:* Blang Bintang, 32 km.
Lhokseumawe, Indonesia: 5.10 N. 97.09 E. 38, 39
(incl. Blang Lancang, Hagu and Krueng Geukueh) *Max. Size:* Lhokseumawe: Old port – depth 2.4 m. New port – LOA 150 m. Hagu: Draft 6 m. Blang Lancang: LNG – LOA 300 m., draft 13 m. General – draft 7 m. CBM – LOA 275 m., 100,000 d.w.t. SBM – 280,000 d.w.t. Krueng Geukueh: LOA 175 m., draft 7.5 m. *Fuel:* Not available. *Airport:* 30 km.
Lhotuan, see Bontang.
Lianyungang, China: 34.45 N. 119.27 E. 41
Max. Size: LOA 370 m., draft 17.0 m. *Fuel:* Available.
LIBERIA 27, 29
Libertador, see Puerto Liberador.
Libourne, France: 44.55 N. 00.15 W. 8, 19
Max.Size: LOA 120 m., depth 4.5 m.
Libreville, Gabon: 00.23 N. 9.26 E. 28, 29
Max. Size: Draft 7.4 m. anchorage port. *Airport:* 9 km.
LIBYA (SOCIALIST PEOPLE'S LIBYAN ARAB JAMAHIRIYA) 21, 24, 26
Licata, (Sicily), Italy: 37.06 N. 13.57 E. 24
Lidkoping, Sweden: 58.30 N. 13.10 E. 10
Max. Size: As for Trollhatte Canal: LOA 87 m., beam 13 m., draft 5.3 m. Airdraft 27 m. *Fuel:* Gas oil available. *Airport:* Gothenburg, 130 km.
Lido, Italy: 45.25 N. 12.26 E. 24
Liege, Belgium: 50.38 N. 5.35 E. 7
Max. Size: Largest: LOA 97.2 m., beam 11.7 m., draft 2.8 m. *Airport:* Bierset, 20 km.
Lien Yun Chiang, see Lianyungang.
Lienyunkang, see Lianyungang.
Liepaja, U.S.S.R.: 56.31 N. 21.02 E. 9, 10
Lifou Is., Loyalty Is., New Caledonia, (France): 20.55 S. 167.17 E. 48
Max. Size: Depth 5.5 m.
Lifuka, Is., see Pangai.
Ligurian Sea, Italy 24
Lihir Is., Papua New Guinea: 3.05 S. 152.38 E. 45
Lille, France: 50.36 N. 3.04 E. 7
Lillebonne, see Quillebeuf.
Lilleborg, see Fredrikstad.
Lillesand, Norway: 58.15 N. 8.23. E. 10
Max. Size: Depth 10 m. *Fuel:* Not available. *Dry Docks:* None. *Airport:* 30 km.
Limas, Indonesia: 00.30 N. 104.20 E. 38
Limassol, Cyprus: 34.40 N. 33.03 E. 21, 26
Max. Size: Old Port: LOA 265 ft., draft 14 ft. New Breakwater Port: Draft 10.5 m. *Fuel:* Available. *Dry Docks:* Floating dock, capacity 1,200 tons. *Airport:* Larnaca, 43 miles.
Limay, see Bataan.
Limbang, Sarawak, Malaysia: 4.48 N. 115.05 E. 38
Max. Size: Depth 26 ft. at anchorage.
Limbe, Cameroon: 4.01 N. 9.13 E. 28, 29
Max. Size: Anchorage – no restrictions.
Lime Island, see Sault St. Marie.
Limenaria, Greece : 40.32 N. 24.31 E. 25
Limerick, Eire: 52.40 N. 8.38 W. 5
Max. Size: Up to 6.1 m. draft on spring tides. Tankers: Up to 12,000 d.w.t., available depth 8 m. LW. *Fuel:* All grades. *Dry Docks:* In emergency only. *Airport:* Shannon, 15 miles.
Limetree Bay, St. Croix, Virgin Islands, (U.S.): 17.41 N. 64.44 W. 69, 71
Max. Size: LOA 650 ft., draft 34 ft., 45,000 d.w.t. Tankers: 1,200 ft., draft 55 ft., 300,000 d.w.t. *Fuel:* Bunker C and light marine diesel. *Airport:* 5 miles.
Limfjord, see Aalborg, Logstor, etc.
Limhamn, Sweden: 55.35 N. 12.56 E. 10
Max. Size: Depth 8.6 m. Tankers: Depth 10.5 m. *Fuel:* Available. *Dry Docks:* See Malmo. *Airport:* Sturup.
Limni, Greece: 38.45 N. 23.20 E. 24, 25
Limni Mines, see Latchi.
Limon Bay, Panama 70
Limon Patron, see Patras.
Limon, see Puerto Limon, Costa Rica.
Lin Kao, China: 19.55 N. 109.40 E. 38
Lincoln, see Port Lincoln.
Lincoln Is., Paracel Is., China: 16.35 N. 112.48 E. 38
Linden, Guyana: 6.00 N. 58.17 W. 69, 72, 74
Max. Size: Draft 21 ft. 6 in. *Fuel:* Can be supplied.
Linden, see Carteret.
Lindesnes, Norway: 57.59 N. 7.03 E. 10
Lindi, Tanzania: 10.00 S. 39.43 E. 30
Lindoe, Denmark: 55.37 N. 10.12 E. 11
Lindos, Greece: 36.02 N. 28.05 E. 25
Lindsey, see Immingham.
Line Islands, Kiribati 48
Lingah, Iran: 26.35 N. 54.53 E. 35

Lingayen, Luzon, Philippines: 16.00 N. 120.05 E. 45, 46
Lingga, Sarawak, Malaysia: 1.20 N. 111.11 E. 38
Lingkas, see Tarakan.
Linosa, Italy: 35.45 N. 12.45 E. 24
Lionas, Naxos Is., Greece: 37.08 N. 25.35 E. 25
Lions Head, Ontario, Canada: 44.59 N. 81.15 W. 62
Lipari Is., Aeolian Islands, Italy: 38.30 N. 14.57 E. 24
Lipsoi Is., Greece: 37.19 N. 26.50 E. 25
Lirquen, Chile: 36.42 S. 72.59 W. 72
Max. Size: 45,000 d.w.t., depth 41 ft.
Lisbon, Portugal: 38.42 N. 9.11 W. 20, 21
Max. Size: Depth alongside to 13.0 m.
Tankers: Depth alongside to 16 m. *Fuel:* Available.
Dry Docks: Up to 1,000,000 tons. *Airport:* International.
Lisburne Cape, Alaska, U.S.A.: 68.52 N. 166.18 W. 54
Liscomb, Nova Scotia, Canada: 45.01 N. 61.59 W. 60
Max. Size: Channel depths to 9.1 m. Wharves closed.
Airport: Halifax, 225 km.
Lisianski Is., Hawaii, U.S.A.: 25.50 N. 173.50 W. 48
List, Germany: 55.01 N. 8.27 E. 10
Lithuania, U.S.S.R. 10
Little Aden, see Aden.
Little Andaman Is., (Andaman Islands), India: 10.42 N. 92.30 E. 38
Little Batanga, Cameroon: 3.15 N. 9.55 E. 28
Little Belt, Denmark 9, 10, 11
Little Bitter Lake, Suez Canal 33
Little Cayman Is., Cayman Is., (U.K.): 19.40 N. 79.59 W. 69
Max. Size: Anchorage – 69 ft. draft.
Little Current, Ontario, Canada: 45.58 N. 81.57 W. 62
Little Inagua Is., Bahamas: 21.30 N. 73.00 W. 69
Little Narrows, see Iona.
Little Nicobar Is., (Nicobar Islands), India: 7.20 N. 93.37 E. . . . 38
Littlehampton, U.K.: 50.48 N. 00.32 W. 7
Livardi, Serifos Is., Greece: 37.08 N. 24.31 E. 25
Liverpool, Nova Scotia, Canada: 44.02 N. 64.40 W. 60
Max. Size: LOA 500 ft., draft 26 ft. *Fuel:* Diesel available.
Dry Docks: None. *Airport:* Halifax International, 170 km.
Liverpool, U.K.: 53.28 N. 3.02 W. 5, 6
Max. Size: Liverpool Docks: Up to 42 ft. (12.8 m.) draft.
Seaforth Dock: 42 ft. (12.8 m.) draft, up to 75,000 d.w.t.
Fuel: Range of fuels of various viscosities.
Dry Docks: Largest: 950 ft.×140 ft. *Airport:* 7 miles.
Livingston, Guatemala: 15.50 N. 88.45 W. 69
Livorno, Italy: 43.33 N. 10.20 E. 21, 24
Max. Size: Commercial Port: Depth 39 ft. 06 in.
Tankers: Draft 37 ft. 6 in., LOA 984 ft *Fuel:* All grades.
Dry Docks: Graving dock 350 m.×56 m. (300,000 d.w.t.)
Airport: 20 km.
Lixuri, Greece: 38.14 N. 20.24 E. 25
Lizard Point, U.K. 49.56 N. 5.13 W. 5, 19
Ljusne, Sweden: 61.12 N. 17.09 E. 15
Max. Size: See Vallvik.
Llandulas, U.K.: 53.17 N. 3.39 W. 5
Llanelly, U.K.: 51.40 N. 4.10 W. 19
Llanes, Spain: 43.25 N. 4.48 W. 19
Lobito, Angola: 12.20 S. 13.34 E. 29
Max. Size: LOA 900 ft., draft 34 ft. Tankers: Draft 35 ft.
Fuel: Fuel Oil (Ordinary), Gas oil available.
Dry Docks: Floating dock up to 2,000 tons. *Airport:* 4 km.
Lobitos, Peru: 4.27 S. 81.18 W. 72
Lobos de Alfuera, Peru: 6.56 S. 80.52 W. 72
Lobos de Tierra, Peru: 6.28 S. 80.51 W. 72
Local, see Gijon.
Loch Lochy, U.K. 5
Loch Ness, U.K. 5
Lochaline, U.K.: 56.32 N. 5.46 W. 5
Lochboisdale, U.K.: 57.09 N. 7.18 W. 5
Lochinver, U.K.: 58.09 N. 5.14 W. 5
Lochmaddy, U.K.: 57.36 N. 7.11 W. 5
Max. Size: Berth length 370 ft., depth 4.5 m. – 6 m. (LWS).
Fuel: Gas oil. *Airport:* Benbecula, 20 miles.
Lockeport, Nova Scotia, Canada: 43.43 N. 65.06. W. 60
Locquirec, France: 48.42 N. 3.39 W. 7
Loctudy, France: 47.50 N. 4.10 W. 19
Locust Point, see Baltimore.
Lodingen, Norway: 68.25 N. 16.00 E. 15
Lofang, see Shortland.
Lofoten Is., Norway 9, 15
Logstor, Denmark: 56.58 N. 9.15 E. 10, 11
Lohals, Denmark: 55.08 N. 10.54 E. 10, 11
Loheiya, Yemen: 15.42 N. 42.42 E. 32
Lokken, Denmark: 57.20 N. 9.40 E. 10
Lokoja, Nigeria: 7.55 N. 6.45 E. 29
Loks Land, N.W. Territories, Canada: 62.25 N. 64.30 W. 59
Loksa, U.S.S.R.: 59.35 N. 25.45 E. 10
Lolland Is., Denmark 10, 11
Lombien Is., Indonesia: 8.30 S. 123.30 E. 45
Lombok Is., Indonesia 38
Lome, Togo: 6.08 N. 1.17 E. 27, 28, 29
Max. Size: LOA 270 m., draft 31 ft. Tankers: Draft 45 ft.
Bulk carriers: Draft 38 ft. Containers: Depth 11 m.
Fuel: Diesel fuel for small craft. Gas oil. *Airport:* Lome.
Lomma, Sweden: 55.41 N. 13.04 E. 11
Lomond, Newfoundland, Canada: 49.28 N. 57.46 W. 60
Lomonosov, U.S.S.R.: 59.55 N. 29.46 E. 10
London, U.K.: 51.30 N. 00.05 W. 1, 5, 6, 7
Max. Size: See Tilbury. Purfleet (tankers): LOA 628 ft., draft 26.5 ft. (LWS). *Fuel:* All types. *Dry Docks:* See Tilbury.
Airport: London (Heathrow) and London (Gatwick).
Londonderry, U.K.: 54.59 N. 7.19 W. 5
Max. Size: LOA 500 ft. (152.5 m.), draft (SW) 23 ft. 6 in. (7.2 m.), Airdraft 32 m. (HWOST), beam 60 ft. Oil Jetty, Coolkeeragh: LOA 183 m., draft (SW) 23 ft. 6 in. (7.2 m.).
Fuel: Gas Oil, Light Marine Diesel and Light, Medium and Heavy Oil. *Airport:* Eglington Airport, 9 miles.
Londunarbryggia, see Siglufjord.
Long Bay, see Georgetown, South Carolina.
Long Beach, California, U.S.A.: 33.45 N. 118.13 W. . . . 55, 57, 58
Max. Size: Depth at general cargo berths 30 ft. – 42 ft. (MLLW). Dry bulk: Depth 36 ft. – 50 ft. (MLLW).
Tankers: Depth 37 ft. – 76 ft. (MLLW). *Fuel:* All grades.
Dry Docks: Large dock yards and large floating docks.
Airport: 18 miles.
Long Branch, New Jersey, U.S.A.: 40.20 N. 74.00 W. 63
Long Harbour, Newfoundland, Canada: 47.26 N. 53.49 W. . . . 60
Long Is., Bahamas 69
Long Is., Ontario, Canada 59
Long Is., Papua New Guinea: 5.20 S. 147.05 E. 45
Long Is., New York, U.S.A. 60, 63
Long Island Sound, U.S.A. 63
Long Point Bay, Lake Erie, Ontario, Canada 62
Long Pond, Newfoundland, Canada: 47.31 N. 52.59 W. 60
Long Sault, Ontario, Canada: 45.05 N. 74.55 W. 61
Long Strait, U.S.S.R. 54
Longkou, China: 37.39 N. 120.20 E. 41
Max. Size: Depth 4.5 m. – 7.5 m. *Fuel:* Not available.
Longuy, Cameroon: 3.05 N. 9.58 E. 28
Longview, Washington, U.S.A.: 46.10 N. 122.55 W. 55, 57
Max. Size: Depth 40 ft. *Fuel:* Available.
Airport: Portland.
Longyear, (Spitsbergen), Norway: 78.14 N. 15.35 E. 17
Lonholmen, see Pitea.
Looe, U.K.: 50.21 N. 4.27 W. 5
L.O.O.P. Terminal, see Louisiana Offshore Oil Port.
Lopez I., Panama Canal, Panama 70
Lopez, see Puerto Lopez.
Lorain, Ohio, U.S.A.: 41.28 N. 82.12 W. 62
Lord Howe Island, N.S.W., Australia: 31.30 S. 159.08 E. . . 48, 49
Lorengau, Papua New Guinea: 2.01 S. 147.16 E. 45
(incl. Lombrum 2.02 S. 147.23 E.)
Max. Size: Min. depth 1.4 m. at LAT. *Fuel:* Diesel by road.
Airport: Momote, 45 km.
Loreto, Mexico: 26.01 N. 111.21 W. 57
Lorient, France: 47.45 N. 3.21 W. 19
Max. Size: LOA 250 m., depth of water 10.5 m.
Tankers: LOA 180 m., draft 10 m.
Dry Docks: 186.2 m. long × 26.33 m. wide.
Los Angeles, California, U.S.A.: 33.43 N. 118.17 W. . . 55, 57, 58
Max. Size: Depth 45 ft. Containers: Depth 40 ft. – 45 ft.
Bulk: Depth 51 ft. Tankers: Depth 32 ft. – 51 ft.
Fuel: Unlimited fuel, all grades. *Dry Docks:* 659 ft. by 97 ft., 22,000 displacement tons. *Airport:* 20 miles.
Los Cedros, Panama: 9.01 N. 80.04 W. 70
Los Cocos, see El Chaure.
Los Hermanos Is., see Blanquilla.
Los Marmoles, see Arrecife.
Los Vilos, Chile: 31.55 S. 71.31 W. 72
Losap Is., Caroline Is., Micronesia: 6.54 N. 152.41 E. 45
Lossiemouth, U.K.: 57.43 N. 3.17 W. 5
Losuia, (Trobriand Is.), Papua New Guinea: 8.27 S. 151.05 E. . 45
Lota, Chile: 37.06 S. 73.10 W. 72
Max. Size: LOA 160 m., draft 27 ft. (8.2 m.).
Fuel: Not available.
Loudden, see Stockholm.
Lough Swilly, Eire 5
Louis, see Port Louis, France or Mauritius.
Louisbourg, Nova Scotia, Canada: 45.55 N. 59.58 W. 60
Max. Size: Largest vessel: 8,000 g.r.t., draft 30 ft. 06 in.
Fuel: Available.
Louisiade Archipelago, Papua New Guinea 45, 48
Louisiana, U.S.A. 66, 67
Louisiana Offshore Oil Port (L.O.O.P. Terminal), Louisiana, U.S.A.: 28.53 N. 90.01 W. 55, 66, 67
Max. Size: Draft 96.3 ft. *Fuel:* Can be arranged privately.
Airport: New Orleans, 90 miles.
Louvain, Belgium: 50.53 N. 4.42 E. 7

Lovanger, Sweden: 64.20 N. 21.10 E. 15
Loviisa, Finland: 60.27 N. 26.15 E. 10
Max. Size: See Valkom.
Lower Bay, New York, U.S.A. 63
Lower Beauharnois Lock, see St. Lawrence Seaway.
Lower Hutt, New Zealand: 41.08 S. 174.53 E. 52
Lower Rhine River 7
Lowestoft, U.K.: 52.29 N. 1.45 E. 5, 7
Max. Size: LOA approx. 410 ft., draft 21 ft. (MHWS).
Fuel: Marine diesel, gas oil or boiler fuel. *Dry Docks:* Length 248 ft. Width at entrance 48 ft. Depth of water on sill 14.5 ft. (MHWS). *Airport:* London (Heathrow), Norwich 27 miles.
Loyalty Islands, New Caledonia, (France): 48
Lu Shun, China: 38.48 N. 121.15 E. 41
Lu Ta, see Dairen.
Luanda, Angola: 8.48 S. 13.14 E. 29
Max. Size: LOA 1,000 ft. (alongside), draft 34 ft. (alongside). Tankers: 55 ft. draft at the refinery buoys.
Fuel: Limited number of grades. *Airport:* 4.5 miles.
Luarca, Spain: 43.32 N. 6.32 W. 19
Luba, see San Carlos.
Lubeck, Germany: 53.52 N. 10.40 E. 9, 10, 11
Max. Size: Depths up to 9.5 m. alongside. Vessels of 15,000 d.w.t., can reach Stadhafen. Tankers: Draft 8.5 m.
Fuel: Gas oil by barge, fuel at berth. *Dry Docks:* Floating docks up to 13,500 tons (45,000 tonnes d.w.).
Airport: 1.5 hours by bus or train to Hamburg.
Lucea, Jamaica: 18.28 N. 78.11 W. 69
Lucina Marine Terminal, Gabon: 3.40 S. 10.46 E. 29
Max. Size: Depth of water 114 ft., 130,000 d.w.t.
Fuel: Not available.
Lucinda, Queensland, Australia: 18.32 S. 146.20 E. 49
Max. Size: Depth at LWOST 13.6 m. *Fuel:* Not available.
Luda, see Dalian.
Luderitz, Namibia: 26.39 S. 15.09 E. 29
Max. Size: Depth 15.0 m. *Fuel:* Available.
Airport: 12 km., connects with Cape Town.
Ludington, Michigan, U.S.A. 43.57 N. 86 27 W. 62
Luganville Bay, see Santo.
Lugnvik, see Svano.
Lukumor, see Nomoi Is.
Lulea, Sweden: 65.35 N. 22.09 E. 9, 15
Max. Size: Draft 11.4 m. (MW). *Fuel:* All grades.
Airport: 10 km.
Lumbovka, U.S.S.R.: 67.45 N. 40.30 E. 16
Lumut, Brunei: 4.43 N. 114.26 E. 38, 39
Max. Size: Draft 10.8 m. *Fuel:* Not available.
Lumut, Malaya, Malaysia: 4.14 N. 100.38 E. 38
Max. Size: Length on grain berth 575 ft., draft 30 ft. 6 in. salt water on Spring tides. *Fuel:* Road tankers.
Airport: 1 hour's drive (Ipoh).
Lundu, Sarawak, Malaysia: 1.40 N. 109.52 E. 38
Lundy Is., U.K.: 51.10 N. 4.40 W. 5
Lunenburg, Nova Scotia, Canada: 44.23 N. 64.19 W. 60
Lutong, see Miri.
Luwuk, Indonesia: 0.57 S. 122.47 E. 45
Luzon Is., Philippines 45, 46
Luzon Strait, Philippines 45, 46
Lybster, U.K.: 58.18 N. 3.18 W. 5
Lydney, U.K.: 51.43 N. 2.33 W. 7
Max. Size: Basin 82.3 m.×22.8 m., depth 7.3 m. (HWST). Inner dock: 237.7 m.×32 m. Entrance: Width 7 m., depth 3.6 m. *Fuel:* Not available. *Airport:* Gloucester (Domestic) 24 miles. Bristol, 24 miles. Cardiff, 30 miles.
Lyme Regis, U.K.: 50.43 N. 2.56 W. 7
Lymington, U.K.: 50.45 N. 1.32 W. 7
Lynaes, Denmark: 55.56 N. 11.52 E. 11
Lyndiane, see Kaolack.
Lyngdal, Norway: 58.09 N. 7.08 E. 10
Lyngor, Norway: 58.38 N. 9.09 E. 10
Lyngsodde, Denmark: 55.31 N. 9.44 E. 11
Max. Size: Draft 11.0 m. *Fuel:* Available.
Drydocks: Floating dock, max. 8,000 tonnes.
Airport: Odense, 44 miles.
Lynmouth, U.K.: 51.15 N. 3.52 W. 5
Lynn, Massachusetts, U.S.A.: 42.27 N. 70.57 W. 63
Lynn Canal, Alaska, U.S.A. 56
Lysekil, Sweden: 58.17 N. 11.26 E. 10
Max. Size: LOA about 600 ft., draft 30 ft.
Fuel: Gas oil and diesel available. *Airport:* None.
Lyttelton, New Zealand: 43.35 S. 172.42 E. 52
Max. Size: Draft 12 m. (HW). LOA 260 m. at Cashin Quay, 230 m. at Inner Harbour. *Fuel:* Available.
Dry Dock: A graving dock for vessels up to 6,500 gross tons. Draft 5 m. *Airport:* 6 miles.
Lytton, see Brisbane.

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Maaloy, Norway: 61.55 N. 5.07 E. 15
Max. Size: Depth 7 m. – 15 m. *Fuel:* Bunkers available.
Airport: Floro, 1 hour by boat.
Ma'anshan, China: 31.48 N. 118.32 E. 41
Maarup, Denmark: 55.56 N. 10.33 E. 11
Maasin, Leyte, Philippines: 10.08 N. 124.50 E. 45, 46
Maasluis, Netherlands: 51.55 N. 4.15 E. 7, 8
Max. Size: See Europoort, Rotterdam, etc.
Maastricht, Netherlands: 50.47 N. 5.40 E. 7
Mabou, Nova Scotia, Canada: 46.06 N. 61.27 W. 60
Macao, (Portugal): 22.15 N. 113.35 E. 38
Macapa, Brazil: 00.02 N. 51.03 W. 72
Max. Size: Depth 8.8 m. *Airport:* Nearby, connects with Belem.
Macassar, Indonesia: 5.08 S. 119.24 E. 38, 45
Max. Size: LOA 200 m., draft 9 m. *Fuel:* Available.
Airport: Mandai, 23 km.
Macassar Strait, Indonesia 38, 45
Macau, see Areia Branca.
Macauley Is., Kermadec Is., New Zealand: 30.15 S. 178.30 W. 48
MacDonnell, see Port MacDonnell.
Macduff, see Banff, U.K.
Maceio, Brazil: 9.40 S. 35.44 W. 72
Max. Size: Draft 33 ft. *Fuel:* Diesel and fuel oil.
Airport: Palmares, 30 km.
Machevna, U.S.S.R.: 61.15 N. 172.25 E. 54
Machilipatnam, see Masuilipatnam.
Macias, see Puerto Macias.
Macias Ngueme, see Bioco Is.
Mackay, Queensland, Australia: 21.06 S. 149.14 E. 49
Max. Size: LOA 650 ft. Depths at berths 10.4 m. – 12.6 m.
Fuel: Available. *Airport:* Connects with Brisbane.
Mackenzie, see Linden.
Mackinac Is., Michigan, U.S.A.: 45.51 N. 84.37 W. 62
Mackinaw City, Michigan, U.S.A.: 45.47 N. 84.44 W. 62
Maconacon, see Aparri.
Macoris, see San Pedro de Macoris.
MacQuarie, see Port MacQuarie.
Macquarie Harbour, Tasmania, Australia 49
Macuse, see Porto Belo.
MADAGASCAR, DEMOCRATIC REPUBLIC OF 30
Madagho, see Escravos River.
Madang, Papua New Guinea: 5.13 S. 145.49 E. 45
Max. Size: Depth 10.1 m. at LAT. *Fuel:* Diesel.
Airport: Madang, 6 km.
Madden Dam, Panama: 9.15 N. 79.37 W. 70
Madeira, (Portugal) 27
Madisonville, Louisiana, U.S.A.: 30.24 N. 90.09 W. 67
Madjene, Indonesia: 3.33 S. 118.57 E. 38, 45
Madras, India: 13.06 N. 80.18 E. 37
Max. Size: LOA 900 ft., draft 42 ft. Tankers: LOA 900 ft., draft 48 ft. Ore: 130,000 d.w.t., draft 53 ft.
Fuel: Grades available: Fuel oil, L.D.O., gas oil.
Dry Dock: 2, max. 40,000 d.w.t. *Airport:* Madras, 15 miles.
Madre de Deus, Brazil: 12.45 S. 38.38 W. 72
Max. Size: LOA 240 m., draft 37 ft. – 41 ft.
Fuel: Fuel oil. Also see Salvador.
Madre de Dios Is., Chile: 50.20 S. 75.00 W. 72
Madryn, see Puerto Madryn
Madura, Indonesia: 6.51 S. 112.57 E. 38
Max. Size: LOA 250 m., 105,000 d.w.t., depth 21.3 m.
Fuel: Not available. *Airport:* Surabaya.
Maduro Is., Indonesia 38
Maewo Is., Vanuatu: 15.10 S. 168.10 E. 48
Mafia Is., Tanzania 30
Magadan, U.S.S.R.: 59.36 N. 150.45 E. 42
Magallanes Bay, Luzon, Philippines: 12.50 N. 123.50 E. 46
Magazine Point, see Mobile.
Magdalen Is., Quebec, Canada 60
Magdalena, Argentina: 35.03 S. 57.29 W. 75
Magdalena Bay, (Spitsbergen), Norway 17
Magellan Straits, Chile 72
Max. Size: Normally 70 ft. draft, unless by arrangement. See also Punta Arenas, etc.
Magnisi, see Priolo.
Magpetco, Texas, U.S.A.: 30.02 N. 93.59 W. 66
Maguilllin, see Constitucion.
Mahajunga, Madagascar: 15.44 S. 46.20 E. 30
Max. Size: Draft 10 m. *Airport:* 7 km.
Mahanoro, Madagascar: 19.55 S. 48.50 E. 30
Mahares, Tunisia: 34.30 N. 10.30 E. 24
Mahdia, Tunisia: 35.30 N. 11.04 E. 24
Mahe, see Port Victoria.
Mahebourg, Mauritius: 20.25 S. 57.41 E. 30

Mahon, (Minorca), Spain: 39.52 N. 4.18 E. 21, 22
Max. Size: Draft: Commercial port 25 ft., anchorage 43 ft. *Fuel:* Available. *Dry Docks:* Military dry dock of 2,000 tonnes. *Airport:* International, 5 km.
Mahone Bay, Nova Scotia, Canada: 44.27 N. 64.22 W. 60
Main Brook, Newfoundland, Canada: 5.10 N. 56.00 W. 60
Main Pass, Mississippi Delta, Louisiana, U.S.A. 67
Maine, U.S.A. 60
Maintirano, Madagascar: 18.04 S. 44.01 E. 30
Maio Is., Cape Verde 27
Maitland, see Port Maitland.
Maizuru, Japan: 35.27 N. 135.19 E. 42
Max. Size: Draft at berth 9.2 m., depth at buoys 14 m. *Fuel:* Bonded oil will be brought from Moji. *Dry Docks:* Largest: 246 m. × 33.5 m. × 12.5 m.
Majorca, Balearic Islands, Spain 21, 22
Majunga, see Mahajunga.
Majuro, see Arno.
Makarevskiy, U.S.S.R.: 50.50 N. 142.05 W. 42
Makarov, U.S.S.R.: 48.37 N. 142.47 E. 42
Makarska, Yugoslavia: 43.18 N. 17.01 E. 24
Makassar, see Macassar.
Makatea, Society Is., (French Polynesia): 15.50 S. 148.15 E. . . 48
Makemo, Tuamotu Arch., (French Polynesia): 16.35 S. 143.40 E. 48
Makin, see Butaritari.
Makiyama, see Wakamutsu.
Makkaur, Norway: 70.35 N. 30.00 E. 15
Makronisi Is., Greece: 37.42 N. 24.06 E. 25
Makurazaki, Japan: 31.16 N. 130.19 E. 44
Malabang, Mindanao, Philippines: 7.36 N. 124.04 E. 46
Malabar Coast, India 37
Malabo, see Rey Malabo.
Malacca, Malaya, Malaysia: 2.15 N. 102.15 E. 38, 39
Max. Size: Depth 9.0 m., LOA 125 m. *Fuel:* Available. *Dry Docks:* None. *Airport:* Batu Berendam, 15 km.
Malacca/Singapore Straits 36, 38, 39
Max. Size to transit: Draft 20.5 m.
Malaga, Spain: 36.43 N. 4.25 W. 20, 21, 22
Max. Size: Max. advisable draft to enter port is 42 ft. – 44 ft. Tankers: 250,000 d.w.t. *Fuel:* Ordinary fuel oil and gas oil. *Dry Docks:* Floating dock for vessels up to 2,000 tons. *Airport:* 8 km.
MALAGASY REPUBLIC, see Madagascar.
Malaita Is., Solomon Is. 69
Malakal, Palau Is., Palau: 7.20 N. 134.28 E. 45
Malamocco, Italy: 45.20 N. 12.19 E. 24
Max. Size: Depth 12 m. Also see Venice.
MALAWI 30
Malaya, Malaysia 38, 39
MALAYSIA 38, 39, 45, 46
Malden Is., Kiribati: 4.10 S. 154.50 W. 48
MALDIVES, THE 37
Maldon, U.K.: 51.43 N. 00.42 E. 5, 7
Maldonado, Uruguay: 34.55 S. 54.58 W. 75
Male, Hulule Is., Maldives: 4.10 N. 73.31 E. 37
Max. Size: Anchorage port. *Fuel:* Available. *Airport:* 1 km.
Malekula Is., see Port Sandwich.
Malhados, see Ilheus.
Mali Losinj, Yugoslavia: 44.32 N. 14.28 E. 24
Malili, Indonesia: 2.39 S. 120.59 E. 45
Max. Size: Anchorage: Depth over 20 m. (LWS). *Fuel:* Not available. *Airport:* Daily flight to Ujung Pandang.
Malimba, Cameroon: 3.36 N. 9.39 E. 28
Malin Head, Eire: 55.22 N. 7.24 W. 5
Malindi, Kenya: 3.10 S. 40.05 E. 30
Malingping, Indonesia: 6.45 S. 106.05 E. 38
Malitbog, Leyte, Philippines: 10.10 N. 125.00 E. 46
Mallacoota, Victoria, Australia: 37.40 S. 139.40 E. 49
Mallaig, U.K.: 57.02 N. 5.50 W. 5
Mallorytown, Ontario, Canada: 44.30 N. 75.55 W. 61
Malm, Norway: 64.04 N. 11.14 E. 15
Malmo, Sweden: 55.37 N. 13.01 E. 9, 10, 11
Max. Size: LOA 260 m., draft 12.5 m. Tankers: Draft 11.4 m. *Fuel:* All normal grades. *Airport:* Sturup, 25 km.
Maloelap, Marshall Is., (U.S.A.): 8.43 N. 171.43 E. 48
Malongo Terminal, Angola: 5.26 S. 12.05 E. 29
(incl. Takula: 5.13 S. 1.47 E.)
Max. Size: Water depth 75 ft. Takula: Depth 245 ft.
Malpe, India: 13.20 N. 74.42 E. 37
Max. Size: Anchorage: Depth 4.5 fathoms. *Fuel:* Not available. *Airport:* Nearest Mangalore.
Malpelo Is., Colombia: 4.03 N. 81.36 W. 69, 72
MALTA 21, 24
Malta Channel 24
Maltepe, Turkey: 40.54 N. 29.09 E. 25
Malus Is., see Dampier.
Malygin Strait, U.S.S.R 16
Malyye Karmakuly, U.S.S.R.: 72.25 N. 52.43 E. 16
Mambajao, Camiguin Is., Philippines: 9.15 N. 124.42 E. 46
Mamburao, Mindoro, Philippines: 13.13 N. 120.38 E. 46
Mamonal, Colombia: 10.19 N. 75.31 W. 69
Max. Size: LOA 853 ft., beam 125 ft., draft 38 ft. Also see Cartagena.
Mamuju, Indonesia: 2.41 S. 118.53 E. 38, 45
Man o'War Cays, Nicaragua: 13.00 N. 83.25 W. 69
Manado, Indonesia: 1.30 N. 124.50 E. 45
Manakara, Madagascar: 22.08 S. 48.05 E. 30
Manama, Bahrain: 26.13 N. 50.35 E. 35
Mananara, Madagascar: 16.12 S. 49.45 E. 30
Mananjary, Madagascar: 21.14 S. 48.20 E. 30
Manantenina, Madagascar: 24.15 S. 47.20 E. 30
Manatee, see Port Manatee.
Manati, Cuba: 21.24 N. 76.48 W. 69
Max. Size: LOA 560 ft., draft 17 ft.; to LOA 500 ft., draft 26 ft. *Fuel:* Not available.
Manaus, Brazil: 3.08 S. 60.00 W. 72
Max. Size: Via the North Channel: Max. draft 30 ft. Via Belem: Draft 29 ft. with a LOA up to 175 m. and draft 24 ft. with a LOA up to 210 m. *Fuel:* Bunker C and Diesel. *Airport:* Manaus.
Manchester, U.K.: 53.29 N. 2.14 W. 5, 6
(incl. Ship Canal)
Max. Size: Depths: Eastham to Ince 8.78 m. Ince to Runcorn, Manchester 8.07 m. Manchester Docks 4.27 m. – 4.88 m. Max. LOA 560 ft., beam 63 ft. 6 in. Height above water 70 ft. 9 in. Tankers for Queen Elizabeth II Dock: Lock: 807 ft. long, 100 ft. wide, depth 18.36 ft. below Chart Datum. *Fuel:* Available.
Manchester, Washington, U.S.A.: 47.32 N. 122.32 W. 56
Manchioneal, Jamaica: 18.02 N. 76.17 W. 69
Manchuria, China 42
Mandal, Norway: 58.02 N. 7.29 E. 10
Max. Size: Approx. 20,000 g.r.t. Tankers: 50,000 tons. *Fuel:* Available. *Airport:* Kjevik, 64 km.
Mandoukion, see Corfu.
Mandvi, India: 22.49 N. 69.21 E. 37
Max. Size: Anchorage: Depth 3 – 5 fathoms. Drafts up to 9 ft. can reach wharves at HW.
Manfredonia, Italy: 41.37 N. 15.55 E. 24
Max. Size: Draft 32 ft. 6 in. (MHWS). *Fuel:* Available. *Airport:* Bari (130 km.) and Foggia (36 km.).
Mangaia Is., Cook Is., (New Zealand): 21.55 S. 157.58 W. 48
Mangalia, Romania: 43.48 N. 28.36 E. 26
Mangalore, India: 12.55 N. 74.52 E. 37
(See also New Mangalore)
Max. Size: Depth 6 fathoms (11 m.). *Fuel:* Not available. *Dry Docks:* 110 ft. × 30 ft. Sill 8 ft. (MHWS). Capacity 450 d.w.t. *Airport:* Bajpe, 12 miles (20 km.).
Mangarin, see San Jose, Mindoro, Philippines.
Manggar, Indonesia: 2.52 S. 108.18 E. 38
Mangkasa Terminal, Indonesia: 2.44 S. 121.04 E. 45
Max. Size: Tanker buoy mooring designed for 20,000 d.w.t., LOA 600 ft. and draft of 31 ft. *Fuel:* Not available. *Airport:* See Malili.
Mangla, see Chalna.
Mangoli Is., Indonesia 45
Mangonui, New Zealand; 35.00 S. 173.32 E. 52
Mangrol, India: 21.06 N. 70.07 E. 37
Manguinhos, see Rio de Janeiro.
Manhattan, see New York.
Manifah, Saudi Arabia: 27.36 N. 48.56 E. 35
Manihi, Society Is., French Polynesia: 14.24 S. 145.56 W. . . . 48
Manihiki Is., Cook Is., (New Zealand): 10.18 S. 161.00 W. 48
Maniitsoq, Greenland, (Denmark): 65.25 N. 52.54 W. 17
Max. Size: LOA 100 m., draft 6 m. Largest 4,000 tons. *Airport:* Heliport.
Manila, Luzon, Philippines: 14.35 N. 120.58 E. 45, 46
(incl. Rosario Sea Berth: 14.26 N. 120.47 E.)
Max. Size: Draft 9.4 m. Tankers: Depth 45 ft. – 50 ft. *Fuel:* The Philippine Government can only sell vessels sufficient to reach the next port of call. *Dry Docks:* 1. Graving Dock, 16,000 d.w.t. 2. Graving Dock (Subic Bay) 300,000 d.w.t. *Airport:* Nimoy Aquino International, 8 km.
Manistee, Michigan, U.S.A.: 44.15 N. 86.19 W. 62
Manistique, Michigan, U.S.A.: 45.58 N. 86.16 W. 62
Manitoba, Canada 59
Manitou Is., Michigan, U.S.A.: 47.25 N. 87.36 W. 62
Manitou Is., Michigan, U.S.A.: 45.07 N. 86.00 W. 62
Manitoulin Is., Ontario, Canada 62
Manitowaning, Ontario, Canada: 45.44 N. 81.49 W. 62
Manitowoc, Wisconsin, U.S.A.: 44.06 N. 87.38 W. 55, 62
Max. Size: LOA 600 ft., draft 21 ft. *Fuel:* Available. *Dry Dock:* Floating dock: 604 ft. × 70 ft. × 15 ft. over keel blocks, LOA 640 ft. *Airport:* Manitowoc.
Manna, Indonesia: 4.25 S. 102.53 E. 38
Mannar, Sri Lanka: 9.00 N. 79.55 E. 37

Manoka, Cameroon: 3.51 N. 9.37 E. 28
Manokwari, Indonesia: 00.52 S. 134.05 E. 45
Manombo, Madagascar: 22.55 S. 43.30 E. 30
Manopla, see Santa Cruz del Sur.
Mansel Is., N.W. Territories, Canada 59
Manta, Ecuador: 00.56 S. 80.43 W. 69, 72
Max. Size: LOA 600 ft., beam 60 ft., draft 33 ft.
Fuel: Diesel oil in small quantities. *Airport:* Flights to Quito.
Mantyluoto, Finland: 61.36 N. 21.29 E. 15
Max. Size: Depth 3.9 m. – 7 m. *Fuel:* All grades available.
Airport: 22 km.
Manua Is., American Samoa: 14.14 S. 169.30 W. 48
Manukau Harbour, see Onehunga.
Manus Is., Admiralty Is., Papua New Guinea 45
Manzanillo, Cuba: 20.20 N. 77.10 W. 69
Max. Size: Anchorage: Draft up to 33 ft. Tankers: Draft 28 ft.
Fuel: Not available.
Manzanillo, Dominican Republic: 19.43 N. 71.45 W. 69
Max. Size: Depths 10 ft. – 40 ft. *Fuel:* Not available.
Manzanillo, Mexico: 19.03 N. 104.20 W. 57
Max. Size: LOA 200 m., draft 32 ft. Tankers: Depth 52 ft. – 64 ft.
Fuel: All grades. *Airport:* Domestic only.
Mapire, Venezuela: 7.58 N. 64.58 W. 74
Maputo, Mozambique: 25.59 S. 32.34 E. 30
Max. Size: Draft 11.3 m., LOA up to 820 ft.
Tankers: Depth 33 ft. – 35 ft. *Fuel:* Available. *Airport:* 4 km.
Maqal, see Basrah.
Maqna, Saudi Arabia: 28.23 N. 34.48 E. 32
Mar Del Plata, Argentina: 38.00 S. 57.32 W. 72
Max. Size: Keel clearance of 2 ft. required. Normal draft
27 ft., greater in best possible conditions.
Fuel: Fuel oil and diesel. *Airport:* 6 miles, Domestic.
Maraba, Brazil: 5.22 S. 49.06 W. 72
Maracaibo, Venezuela: 10.42 N. 71.39 W. 69, 72, 73
Max. Size: Depth 33 ft. *Fuel:* Heavy and medium
marine diesel, intermediate fuel, and bunker "C".
Airport: International.
Maracaibo Lake, Venezuela 69, 72, 73
Max. Size: Channel depths to 43 ft.
Marakai, Kiribati: 2.03 N. 173.17 E. 48
Marans, France: 46.18 N. 1.00 W. 8, 19
Max. Size: LOA 60 m., beam 10 m. Contact agent for draft.
Marathon, Ontario, Canada: 48.45 N. 86.23 W. 62
Marbella, Spain: 36.30 N. 4.55 W. 22
Marblehead, Mass., U.S.A.: 42.30 N. 70.51 W. 63
Marcus Hook, Penn., U.S.A.: 39.49 N. 75.25 W. 63, 65
Max. Size: Depth 35 ft. – 40 ft. See also Philadelphia.
Marcus Is., see Minami Tori.
Mare Is., see Tadine.
Marennes, France: 45.49 N. 1.07 W. 8, 19
Marettimo Is., Egadi Is., Italy: 37.58 N. 12.02 E. 24
Margarita Is., Venezuela 69, 74
Margate, U.K.: 51.23 N. 1.23 E. 7
Marghera, see Venice.
Margosatubig, Mindanao, Philippines: 7.35 N. 123.10 E. 46
Maria Theresa Reef: 37.08 S. 151.10 W. 48
Mariager, Denmark: 56.39 N. 9.59 E. 10, 11
Marianas Islands 45
Maricourt, Quebec, Canada: 61.35 N. 71.59 W. 59
Marie Galante Is., Guadeloupe, (France) 69
Marieberg, see Botea.
Mariehamn, Finland: 60.06 N. 19.56 E. 9, 10
Max. Size: LOA 160 m. and draft 7 m., but require twin screw
and bow thruster for safe manoeuvring. Tankers: LOA 100 m.,
depth alongside 5.5 m. *Fuel:* Only diesel oil.
Dry Docks: Slipway – 300 d.w.t. – 400 d.w.t. *Airport:* 5 km.
Mariel, Cuba: 23.01 N. 82.46 W. 69
Max. Size: Draft through channel 30 ft., LOA 610 ft.
Fuel: Not available.
Mariestad, Sweden: 58.45 N. 13.50 E. 10
Marin, Spain: 42.24 N. 8.42 W. 20
Max. Size: Draft 39 ft. Tankers: LOA 100 m., draft 21 ft.
Fuel: Available. *Dry Docks:* Up to 3,000 tons.
Airport: Vigo, 30 km.
Marina de Carrera, Italy: 44.02 N. 10.02 E. 24
Marina Grande, Capri, Italy: 40.33 N. 14.15 E. 24
Marinduque Island, see Santa Cruz, Philippines.
Mariners Harbour, see Stapleton, U.S.A.
Marinette, Wisconsin, U.S.A.: 45.05 N. 87.37 W. 62
Marion, Massachusetts, U.S.A.: 41.42 N. 70.46 W. 64
Maripa, Venezuela: 7.25 N. 65.10 W. 74
Maritime, see Guayaquil.
Mariupol, U.S.S.R.: 47.06 N. 37.35 E. 26
Max. Size: 8.0 m. *Fuel:* Available. *Dry Docks:* 15,000 tons.
Airport: 15 km.
Mariveles, see Bataan.
Marmagoa, see Mormugao.
Marmara Is., Turkey: 40.37 N. 27.35 E. 25
Marmaris, Turkey: 36.51 N. 28.18 E. 25, 26
Marmaron, Greece: 38.33 N. 26.06 E. 25
Marmorilik, Greenland, (Denmark): 71.07 N. 51.17 W. 17
Max. Size: 65,000 d.w.t. Min. depth alongside 12.5 m. at LW.
Tanker anchorage berth: Depth 24 m. – 50 m. deep.
Fuel: Not available.
Maroantsetra, Madagascar: 15.17 S. 49.46 E. 30
Maromandia, Madagascar: 14.15 S. 48.05 E. 30
Marquesas Islands, French Polynesia 48
Marquesas Keys, Florida, U.S.A.: 24.34 N. 82.07 W. 66, 69
Marquette, Michigan, U.S.A.: 46.32 N. 87.25 W. 62
Marrero, Louisiana, U.S.A.: 29.54 N. 90.06 W. 67
Max. Size: Depth 35 ft. – 38 ft. Also see New Orleans.
Marsa al Hamra, Egypt: 30.59 N. 28.52 E. 26
Max. Size: 100,000 d.w.t. Mono mooring buoy in 66 ft.
Fuel: Not available.
Marsa al Hariga, Libya: 32.04 N. 24.00 E. 24, 26
Max. Size: Max. Summer deadweight 150,000 long tons.,
draft 56 ft. *Fuel:* Not available.
Marsa Alam, Egypt: 25.05 N. 34.48 E. 32
Marsa el Brega, Libya: 30.25 N. 19.34 E. 24
Max. Size: Cargo vessels: LOA 500 ft., draft 10.0 m.
Tankers: 300,000 d.w.t., depth 140 ft. Naphtha: Depth 44 ft.,
65,000 d.w.t. LOA 800 ft., draft 42 ft. Product: LOA 500 ft.,
draft 26 ft. Gas: Depth 37 ft. *Fuel:* Not available.
Marsa Susa, Libya: 32.54 N. 21.58 E. 24
Marsala, Italy: 37.47 N. 12.26 E. 24
Marsaxlokk, Malta: 35.49 N. 14.33 E. 24
Marsden Point, see Whangarei.
Marseilles, France: 43.18 N. 5.25 E. 21, 22, 23
(Incl. Old Port to Estaque: 43.22 N. 5.20 E.)
Max. Size: Draft 14.5 m. (47 ft. 6 in.) *Fuel:* Ordinary
fuel and fuel oil max. 1,000 secs, diesel and gas oil.
Dry Docks: Largest: 465 m.×84 m.×10 m.
Airport: Marseilles – Provence.
Also see Fos, Port de Bouc.
Marsh Is., Louisiana, U.S.A.: 29.30 N. 91.48 W. 66
Marshall, Liberia: 6.08 N. 10.22 W. 29
MARSHALL ISLANDS, (U.S.A.) 48
Marshall Lagoon, see Kupiano.
Marstal, Denmark: 54.51 N. 10.31 E. 11
Marstrand, Sweden: 57.53 N. 11.34 E. 10
Marthas Vineyard Is., Mass., U.S.A. 63
Martin Garcia, Argentina: 34.11 S. 58.17 W. 75
Martin Vaz Is., (Brazil): 20.30 S. 28.48 W. 72
Martinez, see Benicia.
MARTINIQUE, (France) 69
Martinniemi, see Haukepudas.
Marugame, Japan: 34.17 N. 133.47 E. 44
Maryborough, Queensland, Australia: 25.32 S. 152.44 E. 49
Berth demolished.
Maryland, U.S.A. 60, 63
Maryport, U.K.: 54.43 N. 3.30 W. 5
Marystown, Newfoundland, Canada: 47.10 N. 55.09 W. 60
Masan, South Korea: 35.11 N. 128.35 E. 41, 42
Max. Size: 20,000 d.w.t., LOA 210 m. draft 11 m.
Fuel: Available. *Dry Docks:* 3 minor dry docks.
Airport: Kimhae, 70 km.
Masao, Mindanao, Philippines: 9.06 N. 125.22 E. 45, 46
Max. Size: Depth 7 m. Deep water anchorage berths
available. *Airport:* Connects with Cebu and Manila.
Masbate, Masbate Is, Philippines: 12.35 N. 123.31 E. . . . 45, 46
Max. Size: LOA 300 m., draft 28 ft. *Fuel:* All grades.
Airport: 3 km., connects with Manila.
Mashabih Is., Saudi Arabia: 25.35 W. 36.30 E. 32
Masinloc, Luzon, Philippines: 15.33 N. 119.58 E. 45, 46
Max. Size: Depth 31 ft. *Fuel:* Not available. *Airport:* Manila.
Masirah Is., Oman 31
Maslenica, Yugoslavia: 43.24 N. 16.13 E. 24
Masnedoevaerket, Denmark: 55.00 N. 11.53 E. 10
Max. Size: LOA 120 m., beam 25 m., draft 6.8 m.,
bridge height: 21 m. *Fuel:* Available.
Airport: Copenhagen, 60 miles.
Masnedsund, see Vordingborg.
Massachusetts, U.S.A. 60, 62, 63, 64
Massacre Bay, (Attu Is.), Alaska, U.S.A.: 52.40 N. 173.14 W. . . . 54
Massawa, Ethiopia: 15.37 N. 39.28 E. 32
Max. Size: LOA 180 m., draft 29 ft. *Fuel:* Heavy fuel
and diesel. *Dry Dock:* Slipway for vessel up to 600 g.r.t.
Airport: 7 km., connects with Asmara International.
Massawa Channel, Red Sea 32
Massena, New York, U.S.A.: 44.50 N. 74.55 W. 61
Masset, British Columbia, Canada: 54.02 N. 132.09 W. 56
Masson, Quebec, Canada: 45.32 N. 75.25 W. 61
Mastaba, Saudi Arabia: 20.52 N. 39.29 E. 32
Mastura, Saudi Arabia: 23.10 N. 38.50 E. 32
Masuda, Japan: 34.40 N. 131.42 E. 44
Masulipatnam, India: 16.10 N. 81.15 E. 37
Mataboor, Indonesia: 1.40 S. 138.05 E. 45

Matadi, Zaire: 5.49 S. 13.27 E. 29
(incl. Ango-Ango: 5.51 S. 13.25 E.)
Max. Size: Controlled by draft in river, 20 ft. – 27 ft.
Max. draft at berth 23 ft. – 24 ft.
Fuel: Gas oil, light and heavy fuel in small quantities.
Matagorda Is., Texas, U.S.A. 66
Matala, (Crete), Greece: 34.59 N. 24.44 E. 25
Matamoros, Mexico: 25.53 N. 97.30 W. 66, 69
Matane, Quebec, Canada: 48.51 N. 67.35 W. 60
Max. Size: 30,000 d.w.t., LOA 175 m., draft 8.5 m.
Fuel: Light fuel and diesel oil. *Dry Docks:* Les Mechins, 30 miles.
Airport: Daily flight to Montreal.
Matanzas, Cuba: 23.03 N. 81.34 W. 69
Max. Size: Draft 32 ft., *Fuel:* Not available.
Matanzas, Venezuela: 8.17 N. 62.52 W. 72, 74
Max. Size: LOA 600 ft., beam 74 ft., draft 41 ft. in rainy season (May-Nov.), 28 ft. in dry season. *Fuel:* Available.
Airport: 10 miles, connects with Caracas.
Matara, Sri Lanka: 5.57 N. 80.31 E. 37
Matarani, Peru: 17.00 S. 72.07 W. 72
Max. Size: LOA 570 ft., depth 30 ft.
Tankers: (Mollendo) Draft 16 m. *Fuel:* Not available.
Mataro, Spain: 41.32 N. 2.30 E. 22
Mategata, Japan: 34.06 N. 132.55 E. 44
Max. Size: Open road – Draft 10 m.
Fuel: Lighters, with 7 days notice.
Mati, Mindanao, Philippines: 6.57 N. 126.13 E. 46
Max. Size: 18,000 g.r.t. *Fuel:* Available.
Airport: Davao.
Matias de Galvez, see Santo Tomas.
Matochkih Strait, Novaya Zenilya, U.S.S.R. 16
Matola, see Maputo.
Matsu Is., Taiwan: 26.10 N. 119.55 E. 41
Matsue, Japan: 35.27 N. 133.08 E. 42
Matsunaga, Japan: 34.26 N. 133.15 E. 44
Max. Size: Draft 8.5 m. *Fuel:* Available.
Matsushima, Japan: 32.56 N. 129.36 E. 44
Max. Size: Depth 14 m. *Fuel:* Available.
Matsuura, Japan: 33.21 N. 129.43 E. 44
Matsuura Is., Kurile Is., U.S.S.R.: 48.00 N. 153.10 E. 42
Matsuyama, Japan: 33.52 N. 132.42 E. 42, 44
Max. Size: Tankers: 50,000 d.w.t., LOA 240 m., draft 12 m.
Umaiso Bay: LOA 160 m., draft 15 m. Yura Bay: LOA 110 m., draft 10 m. *Fuel:* All grades lightered from the nearest bunker stock ports. *Dry Docks:* None. Nearest Sakaide.
Airport: Domestic to Osaka/Tokyo.
Matthew Is., New Caledonia, (France): 22.20 S. 171.23 E. 48
Matthew Town, Great Inagua Island, Bahamas:
20.57 N. 73.40 W. 69
Matua, Indonesia: 2.55 S. 110.50 E. 38
Maturin Bar, see Caripito.
Maud Landing, W.A., Australia: 23.07 S. 113.47 E. 49
Maui Is., Hawaii, U.S.A. 48
Mauke Is., Cook Is., (New Zealand): 20.12 S. 157.30 W. 48
Maumere, Indonesia: 8.37 S. 122.13 E. 45
Maungdaw, Myanmar: 20.50 N. 92.21 E. 38
Maurer, see Port Reading.
MAURITANIA 27
MAURITIUS 18, 30
Mayaguana, Bahamas: 22.25 N. 73.00 W. 69
Mayaguez, Puerto Rico: 18.13 N. 67.12 W. 69
Max. Size: Safe draft is 27 ft. *Fuel:* All grades available.
Airport: Mani, 15 minutes from pier, connects with San Juan.
Maydi, Yemen: 16.18 N. 42.48 E. 32
Mayne, British Columbia, Canada: 48.51 N. 123.18 W. 56
Mayotte, Comoros 30
Mayport, Florida, U.S.A.: 30.24 N. 81.26 W. 66
Mayumba, see M'bya Terminal.
Mazagan, see El Jadida.
Mazara del Vallo, (Sicily), Italy: 37.40 N. 12.35 E. 24
Mazarron, Spain: 37.33 N. 1.15 W. 22
Mazaruni, Guyana: 6.24 N. 58.40 W. 74
Max. Size: See Bartica. *Dry Dock:* 160 ft.×35 ft.
Mazatlan, Mexico: 23.11 N. 106.26 W. 57
Max. Size: Depth 10 m. Tankers: LOA 590 ft., draft 29 ft.
Fuel: Can be supplied. *Airport:* International, 3 miles.
Mazirbe, U.S.S.R.: 57.45 N. 22.25 E. 10
M'bao Terminal, Senegal: 14.43 N. 17.23 W. 27
M'Bya Terminal, Gabon: 03.53 S. 10.56 E. 29
Max. Size: Draft 18.0 m., 150,000 d.w.t.
McKean Is., Phoenix Is., Kiribati: 4.28 S. 174.10 W. 48
McNeil, see Port McNeil.
McNicoll, see Port McNicoll.
Me Tho, Vietnam: 10.22 N. 106.22 E. 38
Meadows, see Port Meadows.
Meaford, Ontario, Canada: 44.37 N. 80.35 W. 62
Mecca, Saudi Arabia: 21.30 N. 39.55 E. 32
Mechigmen, U.S.S.R.: 65.20 N. 172.00 W. 54
Mecklenburg Bay, Germany 11
Mede, see Port de Bouc.
Medgidia, Romania: 44.14 N. 28.18 E. 26
Max. Size: See Danube-Black Sea Canal.
Media Luna, Cuba: 20.10 N. 77.26 W. 69
Max. Size: (Anchorage) Draft 33 ft. *Fuel:* Not available.
Mediterranean Sea 20, 21, 22, 24, 25, 26
Medway, U.K. 7
including: Isle of Grain: 51.26 N. 00.43 E.
Bee Ness Jetty: 51.25 N. 00.39 E.
Rainham: 51.23 N. 00.37 E.
Otterham: 51.23 N. 00.38 E.
Kingsnorth: 51.25 N. 00.36 E.
Oakham Ness: 51.25 N. 00.39 E.
(See also Chatham, Faversham, Ridham Dock, Rochester and Sheerness)
Max. Size: Isle of Grain: 40,000 d.w.t. LOA 250 m., depth 13.5 m.
Kingsnorth: LOA 229 m., depth 6.9 m. – 12.8 m.
Oakham Ness: LOA 229 m., 55,000 d.w.t., depth 16.7 m.
Otterham: LOA 73 m., depth 3.3 m. – 4.6 m.
Rainham: Depth 3.1 m. (MHWS).
Fuel: Available at Isle of Grain and Kingsnorth.
Airport: Gatwick.
Medway, see Port Medway, Canada.
Mega, Japan: 34.46 N. 134.41 E. 44
Max. Size: Draft 11.8 m. Sea Berth: Depth 19 m.
Fuel, etc.: See Himeji.
Megalo Khorio, Tilos, Greece: 36.27 N. 27.24 E. 25
Meganisi, Greece: 38.39 N. 20.47 E. 25
Megansset, Massachusetts, U.S.A.: 41.39 N. 70.37 W. 64
Megara, Greece: 37.58 N. 23.24 E. 23, 24, 25
Max. Size: Depth 42 ft. 6 in. at berth, 65,000 d.w.t.
Fuel: Not available.
Mehamn, Norway: 71.00 N. 27.45 E. 15
Mehdia, Morocco: 34.16 N. 6.41 W. 27
Mehetia Is., Society Is., French Polynesia: 17.52 S. 148.03 W. 48
Mejillones, Chile: 23.06 S. 70.28 W. 72
Max. Size: Anchorage port: No restrictions.
Ammonia: (Buoys) LOA 180 m., 15,000 d.w.t.
Fuel: Not available. *Airport:* Cerro Moreno, 25 km.
Mekong Delta, Vietnam 38
Mekoryuk, Alaska, U.S.A.: 60.24 N. 166.10 W. 54
Melaka, see Malacca.
Melanesia 45, 48
Melbourne, Victoria, Australia: 37.50 S. 144.58 E. 49, 50
(Incl. Yarraville: 37.50 S. 144.54 E., Williamstown: 37.52 S. 144.54 E.)
Max. Size: By day: Williamstown: LOA 289 m., draft 10.6 m.
Port Melbourne (Dry cargo): LOA 305 m., draft 10 m.
Yarraville (Tankers): LOA 190 m., draft 9.3 m.
Swanston Dock (Containers): LOA 289 m. Draft 11.9 m.
Fuel: All grades. *Dry Docks:* Floating dock: 156 m. × 24 m.
Airport: 10 miles.
Meldrum Bay, Ontario, Canada: 45.56 N. 83.07 W. 62
Melilla, (Spain): 35.18 N. 2.57 W. 22
(See also Port Nador)
Max. Size: Up to 30 ft. draft. *Fuel:* Available.
Airport: 1 km., connects with Malaga and Almeria.
Melilli, (Sicily), Italy: 37.07 N. 15.16 E. 24
Max. Size: 600,000 d.w.t., LOA 1,200 ft., draft 78 ft.
See also Augusta.
Melina, Greece: 39.10 N. 23.13 E. 25
Melinca, Chile: 43.54 S. 73.45 W. 72
Melito, Italy: 37.45 N. 15.50 E. 24
Mellerud, Sweden: 58.40 N. 12.30 E. 10
Mellon, see Port Mellon.
Melolo, Indonesia: 9.53 S. 120.40 E. 45
Melville Bay, see Gove.
Melville Is., N.T., Australia 45, 49
Mem, Sweden: 58.29 N. 16.25 E. 10
Memba, Mozambique: 14.10 S. 40.30 E. 30
Memboro, Indonesia: 9.28 S. 119.30 E. 45
Mena Saud, Kuwait: 28.45 N. 48.24 E. 35
Max. Size: LOA 1,200 ft. Sailing draft 56 ft. *Fuel:* Bunker fuel, max. 1,500 secs. Redwood No. 1. *Airport:* Kuwait.
Menai Strait, Wales, U.K. 5
Menasha, Wisconsin, U.S.A.: 44.12 N. 88.27 W. 62
Meneng, Indonesia: 8.07 S 114.23 E. 38
Max. Size: Depth alongside 40 ft., LOA 500 ft.
Fuel: Not available. *Airport:* Ngurah Rai, 60 miles.
Menier, see Port Menier.
Menominee, Michigan, U.S.A.: 45.07 N. 87.37 W. 62
Menstad, Norway: 59.10 N. 9.39 E. 10
Max. Size: LOA 425 ft., draft 18 ft. 6 in.
Menton, France: 43.47 N. 7.31 E. 22
Menzel-Bourguiba, Tunisia: 37.09 N. 9.49 E. 24
Menzies Bay, Br. Columbia, Canada: 50.07 N. 125.23 W. 56
Merak, Indonesia: 5.55 S. 106.00 E. 38
Merauke, Indonesia: 8.28 S. 140.23 E. 45
Meraux, Louisiana, U.S.A.: 29.55 N. 89.56 W. 67

Merca, Somalia: 1.43 N. 44.47 E. 31
Mercedes, Luzon, Philippines: 14.07 N. 123.01 E. 46
Mercedes, Uruguay: 33.10 S. 58.10 W. 75
Meregh, Somalia: 3.50 N. 47.40 E. 31
Mergu Archipelago, Myanmar 38
Mergui, Myanmar: 12.29 N. 98.36 E. 38
Merikhas, (Kithnos), Greece: 37.24 N. 24.24 E. 25
Merir Is., Caroline Is., Micronesia: 4.19 N. 132.19 E. 45
Mersa Fatma, Ethiopia: 14.55 N. 40.17 E. 32
Mersa Matruh, Egypt: 31.22 N. 27.14 E. 26
Mersea Is., U.K.: 51.50 N. 00.55 E. 7
Mers-el-Kebir, Algeria: 35.44 N. 00.42 W. 21, 22
Mersin, Turkey: 36.47 N. 34.38 E. 21, 26, 39
Max. Size: Depth 12 m. Tankers: 15,000 d.w.t.
Fuel: Available. *Airport:* Adana, 70 km.
Mersing, Malaya, Malaysia: 2.23 N. 103.48 E. 38
Mersrags, U.S.S.R.; 57.23 N. 23.09 E. 10
Mesolongion, Greece: 38.22 N. 21.26 E. 25
Messina, (Sicily), Italy: 38.11 N. 15.34 E. 21, 24
Max. Size: Draft 33 ft. at passenger quay. Other berths 27 ft., LOA 200 m. – 300 m. Tankers: LOA 100 m., draft 27 ft.
Dry Dock: Length 853 ft. (260 m.), breadth 118 ft. (36 m.).
Airport: Reggio Calabria, 10 km.
Messini, Greece: 37.05 N. 22.00 E. 24, 25
Mestghanem, see Mostaganem.
Metas, see Nemrut Bay.
Meteghan, Nova Scotia, Canada: 44.13 N. 66.09 W. 60
Methil, U.K.: 56.11 N. 3.01 W. 5, 6
Max. Size: Depth 8.2 m. (MHWS), beam 14.4 m.
Methoni, Greece: 36.49 N. 21.42 E. 25
Methonis, Greece: 40.27 N. 22.36 E. 25
Metkovic, Yugoslavia: 43.05 N. 17.40 E. 24
Metlakatla, Alaska, U.S.A.: 55.08 N. 131.35 W. 56
Max. Size: Depth 23 ft. – 35 ft. *Fuel:* Not available.
Airport: Small charter plane only, connects Ketchikan.
Meulaboh, Indonesia: 4.09 N. 96.08 E. 38, 39
Mevagissey, U.K.: 50.16 N. 4.47 W. 5
MEXICO 48, 57, 66, 69
Mexico, see Puerto Mexico.
Mezen, U.S.S.R.: 65.50 N. 44.04 E. 16
Max. Size: Draft 3.9 m. – 4.2 m., LOA 70 m.
Dry Docks: None. *Fuel:* Supplies not guaranteed.
Mezhdusharski Is., U.S.S.R.: 71.10 N. 53.00 E. 16
Miami, Florida, U.S.A.: 25.46 N. 80.10 W. 55, 66, 69
Max. Size: Depth 25 ft. – 42 ft. Tankers: Draft 34 ft. (MLW).
Fuel: All grades. *Dry Docks:* 600 tons. *Airport:* 8 miles.
Miao Tao Is., Gulf of Chihli, China 41
Michigan, U.S.A. 62
Michigan City, Indiana, U.S.A.: 41.43 N. 86.55 W. 62
Michipicoten, Ontario, Canada: 47.57 N. 84.54 W. 62
Michipicoten Is., Ontario, Canada 62
Michurin, Bulgaria: 42.10 N. 27.54 E. 26
MICRONESIA, FEDERATED STATES OF 45, 48
Middelfart, Denmark: 55.30 N. 9.44 E. 10, 11
Max. Size: 5,000 d.w.t. – 6,000 d.w.t., 6.5 m. draft.
Fuel: All grades. *Airports:* Billund, Beldringe – both 30 km.
Middelharnis, Netherlands: 51.47 N. 4.12 E. 7
Middle Andaman Is., (Andaman Islands), India: 12.30 N. 92.57 E. 38
Middleburg, Netherlands: 51.30 N. 3.37 E. 7
Middlesbrough, U.K.: 54.35 N. 1.14 W. 5, 6
Max. Size: LAT Nominal depth 4.8 m., 7,000 d.w.t.
Also see Teesport.
Mideye, Turkey: 41.45 N. 27.55 E. 26
Midland, see Penatanguishene.
Midvaag, Faeroe Is., (Denmark): 62.03 N. 7.11 W. 5
Midway Is., (U.S.A.): 28.11 N. 177.20 W. 48
Mihara, see Itozaki.
Miike, Japan: 33.00 N. 130.23 E. 44
Max. Size: Drafts 29 ft. 6 in. up to 20,000 d.w.t.; 26 ft. 4 in. up to 25,000 d.w.t., 24 ft. 6 in. up to 30,000 d.w.t.
Fuel: Bonded oil will be brought from Moji or Tokuyama.
Dry Docks: See Moji. *Airport:* See Moji.
Mikoyanovsk, U.S.S.R.: 52.40 N. 156.00 E. 54
Milaki, Greece: 38.22 N. 24.04 E. 25
Max. Size: 120,000 d.w.t., LOA 240 m., depth 14.9 m. – 18 m.
Airport: Athens.
Milazzo, Italy: 38.13 N. 15.16 E. 24
Max. Size: Depth at quay to 23 ft. Tankers: Up to 420,000 d.w.t. depth 83 ft. *Fuel:* All grades.
Airport: Reggio Calabria, 2 hours.
Milbuk, Mindanao, Philippines: 6.10 N. 124.16 E. 45, 46
Milford Haven, U.K.: 51.42 N. 5.10 W. 5
(Incl. Angle Bay: 51.41 N. 5.05 W.)
Max. Size: Depth 10.8 m. Tankers: Draft 68 ft. in favourable conditions. *Fuel:* All grades. *Dry Docks:* 600 ft. × 63 ft. × 18 ft.
Airport: Cardiff – 100 miles.
Milford Sound, New Zealand: 44.41 S. 167.53 E. 52
Milgravis, U.S.S.R.: 57.02 N. 24.07 E. 10
Milhaud, see Toulon.
Mili, Marshall Is., (U.S.A.): 6.08 N. 171.49 E. 48
Milina, Greece: 39.11 N. 23.13 E. 25
Mill Is., Hudson Bay, Canada 59
Millbank, see Chatham, Canada.
Milner Bay, N.T., Australia: 13.52 S. 136.25 E. 45, 49
Max. Size: LOA 223 m., beam 32.2 m., draft 12.5 m.
Fuel: Not available. *Airport:* Connects with Darwin and Cairns.
Milos, see Adamas.
Milton Regis, U.K.: 51.22 N. 0.46 E. 6
Milwaukee, Wisconsin, U.S.A.: 43.01 N. 87.53 W. 55, 62
Max. Size: LOA 739 ft., beam 75 ft. with 27 ft. draft.
Fuel: All grades. *Airport:* 5 miles.
Mina Abdulla, Kuwait: 29.02 N. 48.11 E. 35
Max. Size: Berth No. 18: 25,000 d.w.t. – 140,000 d.w.t. in ballast, depth 57 ft. Berth No. 19: 270,000 tonnes displacement in ballast, loaded tankers with draft 35 ft., depth 59 ft. *Fuel:* Fuel oil bunkers. *Airport:* Kuwait.
Mina Al-Ahmadi, Kuwait: 29.04 N. 48.09 E. 35
Max. Size: Depths: South Pier 41 ft. – 49 ft. North Pier 57 ft. – 59 ft. Sea Island 94 ft. *Fuel:* Available.
Mina Al Bakir, see Albakir Terminal.
Mina Al Fahal, Oman: 23.39 N. 58.32 E. 31, 35
Max. Size: Tankers: No length limitation, draft 96 ft., 600,000 d.w.t. *Fuel:* Fuel oil only. *Airport:* Muscat.
Mina Jebel Ali, see Jebel Ali.
Mina Khalid, see Sharjah.
Mina Qaboos, see Port Qaboos.
Mina Raysut, see Port Raysut.
Mina Saqr, U.A.E.: 25.59 N. 56.03 E. 35
Max. Size: LOA 244 m. Draft 11.5 m. *Fuel:* Fuel oil, marine diesel oil, gas oil and marine lubricants. *Dry Docks:* None.
Airport: Ras al Khaimah, 45 km.
Mina Saud, see Mena Saud.
Mina Sulman, Bahrain: 26.12 N. 50.37 E. 35
Max. Size: LOA 300 m., depth to 10.9 m. *Fuel:* Available.
Dry Docks: 375 m. × 75 m. *Airport:* International.
Mina Zayed, U.A.E.: 24.32 N. 54.23 E. 35
Max. Size: Draft 13 m. *Fuel:* Diesel oil and gas oil by barge.
Airport: Dubai, 40 km.
Minamata, Japan: 32.11 N. 130.21 E. 44
Max. Size: 10,000 d.w.t., depth 6.5 m. *Dry Docks:* Not available. *Airport:* Kumamoto, 100 km. Kagoshima, 60 km.
Minami Io, (Japan): 24.14 N. 141.29 E. 45
Minami Tori, (Japan): 24.17 N. 153.58 E. 45, 48
Minatitlan, Mexico: 17.54 N. 94.35 W. 69
Max. Size: Tankers: LOA 475 ft., depth 9.4 m.
Dry cargo (fertiliser): LOA 440 ft., draft 21 ft. (FW).
Fuel: Marine diesel oil and Bunker "C" obtainable at Tanker berths. Diesel oil only by tank truck. *Airport:* 15 minute car drive, connects with Mexico City.
Mindanao, Philippines 45, 46
Mindoro, Philippines 45, 46
Minehead, U.K.: 51.12 N. 3.28 W. 7
Mingan, Quebec, Canada: 50.17 N. 64.01 W. 60
Minicoy, (Laccadive Is.), India: 8.22 N. 73.07 E. 37
Minimata, see Minamata.
Minnesota, U.S.A. 62
Mino, Japan: 34.46 N. 131.09 E. 44
Minorca, (Balearic Islands), Spain 21, 22
Minto Reef, Caroline Is., Micronesia: 8.10 N. 154.17 E. 48
Miquelon, St. Pierre & Miquelon, (France): 47.06 N. 56.22 W. . . 60
Miraflores Lake, Panama Canal, Panama: 70
Miraflores Lock, Panama Canal, Panama: 9.00 N. 79.36 W. . . . 70
Miragoane, Haiti: 18.25 N. 73.04 W. 69
Max. Size: Depth: 18 ft. at general cargo wharf; 34 ft. at Bauxite wharf.
Miramar, see Belem.
Miramar, see Wellington.
Miranda, see Puerto Miranda.
Mirbat, Oman: 17.02 N. 54.35 E. 31
Miri, Sarawak, Malaysia: 4.26 N. 113.55 E. 38
Max. Size: Anchorage: No limit. Tankers: Lutong (S.B.M.'s) 30,000 d.w.t. – 125,000 d.w.t., draft 37 ft. – 56 ft.
Fuel: Available at Lutong Terminal. *Airport:* 10 miles.
Mirina, Greece: 39.51 N. 25.04 E. 25
Mirtoan Sea 25
Misaki, Japan: 33.23 N. 132.08 E. 44
Mishima, see Iyomishima.
Misima Is., Papua New Guinea: 10.35 S. 152.50 E. 48
Mispec Point, see St. John, New Brunswick, Canada.
Misratah, see Qasr Ahmed.
Mission Port, see Aparri.
Mississippi, U.S.A. 66, 67
Mississippi Delta 66, 67
Max. Size: See Southwest Pass.
Mississippi Sound 66, 67
Mistaken Is., see Dampier.

Mistley, U.K.: 51.57 N. 1.05 E. 7
Max. Size: Draft 5.6 m. Springs. *Fuel:* Available.
Misumi, Japan: 32.38 N. 130.27 E. 44
Max. Size: 15,000 d.w.t. from North entrance. 27,000 d.w.t. from South entrance. *Dry Docks:* Small docks for less than 1,000 tons. *Airport:* Kumamoto, 60 km.
Misurata, Libya: 32.22 N. 15.13 E. 24
Max. Size: Depth 11 m. *Fuel:* Available.
Airport: Tripoli, 220 km.
Mithimna, Greece: 39.22 N. 26.10 E. 25
Mitkof Is., see Petersburg.
Mitre Canal, see River Plate.
Mitre Channel, see River Plate.
Mitsukojima, Japan: 34.11 N. 132.31 E. 44
Mitylene, Greece: 39.06 N. 26.35 E. 21, 25, 26
(incl. Geras Bay and Pamfyllon)
Max. Size: LOA 120 m., draft 17 ft. at Inner Port. LOA 160 m., draft 28 ft. at Outer Port. *Fuel:* Supplies to Mitylene port by tanker trucks only. *Airport:* 8 km.
Miyake, Japan: 34.04 N. 139.30 E. 42, 45
Miyako, Japan: 39.39 N. 141.58 E. 42
Max. Size: Draft 12 m. and LOA 240 m. *Fuel:* Bonded oil will be brought from Tokyo or Sendai. *Dry Docks:* None.
Airport: Hanamaki, 150 km. Flights to Tokyo.
Miyazaki, Japan: 31.56 N. 131.26 E. 44
Miyazu,Japan: 35.33 N. 135.12 E. 42
Miyedhi, Komandorski Is., U.S.S.R. 54
Mizen Head, Eire: 51.26 N. 9.50 W. 5
Mizushima, Japan: 34.31 N. 133.45 E. 44
Max. Size: Draft up to 14.8 m. *Fuel:* Most grades available.
Dry Docks: Length 675 m., width 63 m., depth 13 m.
Airport: Okayama, 40 km. Flights to Tokyo.
Mjimwema Terminal, Tanzania: 6.49 S. 39.22 E. 30
Max. Size: Tankers up to 100,000 d.w.t. Min. length 650 ft., max. draft 55 ft. *Fuel:* Fuel oil by barge.
Mkoani, Tanzania: 5.21 S. 39.38 E. 30
Max. Size: LOA 250 ft., depth 6 fathoms. *Fuel:* Not available.
Mljet Is., Yugoslavia 24
Moa, Cuba: 20.41 N. 74.52 W. 69
(incl. Punta Gorda: 20.38 N. 74.51 W.)
Max. Size: Moa: LOA 500 ft., draft up to 30 ft. (HW). Punta Gorda: LOA 442 ft., draft 28 ft. *Fuel:* Not available.
Moa Is., Indonesia: 8.10 S. 127.55 E. 45
Moana, Spain: 42.18 N. 8.44 W. 20
Moanda, see Banana.
Mobile, Alabama, U.S.A.: 30.40 N. 88.02 W. 55, 66
Max. Size: Depths 30 ft. – 41 ft. MLW. Tankers: LOA 950 ft., depth at jetty 38 ft. Magazine Point: Depth 43 ft.
Fuel: Most grades fuel/diesel.
Dry Docks: To 18,000 tons displacement.
Mocambique, see Mozambique.
Mocamedes (incl. Porto Saco), Angola: 15.11 S. 12.07 E. 29
Max. Size: Mocamedes: Depth 33 ft. Tankers: Draft 54 ft. Porto Saco: Draft 14 m. *Fuel:* Available. *Dry Docks:* None.
Airport: Small airstrip.
Mocimboa, Mozambique: 11.23 S. 40.20 E. 30
Mocka, Yemen: 13.17 N. 43.10 E. 31
Max. Size: Quay length 350 m., draft 26 ft. *Fuel:* Not available.
Dry Docks: None. *Airport:* None.
Modewheel, see Manchester Ship Canal.
Moelfre, U.K.: 53.21 N. 4.14 W. 5
Moen, Truk Is., Caroline Islands, Micronesia:
7.26 N. 151.52 E. 45
Moengo, Suriname: 5.38 N. 54.25 W. 72
Max. Size: LOA 525 ft., draft 22 ft. 6 in., depending on bar.
Fuel: Small quantities. *Airport:* 5 km.
Moerai, Rurutu, Austral Is., French Polynesia:
22.27 S. 151.22 E. 48
Moerdijk, Netherlands: 51.42 N. 4.38 E. 7
Max. Size: Draft 7.8 m.
Mogadiscio, Somalia: 2.02 N. 45.20 E. 31
Max. Size: Draft 10 m. at general cargo berths and 12 m. at tanker berths. *Fuel:* Available. *Dry Docks:* None.
Airport: 5 km.
Mogador, see Essaouira.
Mogi, Japan: 32.42 N. 129.55 E. 44
Mohammedia, Morocco: 33.45 N. 7.22 W. 27
Max. Size: Tankers: 150,000 d.w.t., draft 17 m. Basin: LOA 130 m., draft 6.7 m. (22 ft.).
Fuel: Available. *Airport:* Casablanca.
Mohilla, Comoros 30
Moin Bay, see Puerto Moin.
Mo-I-Rana, Norway: 66.19 N. 14.08 E. 9, 15
Max. Size: Depths 23 ft. – 47 ft. *Fuel:* All types.
Airport: Rana, 12 km.
Moji, Japan: 33.54 N. 130.55 E. 43, 44
Max. Size: Draft to 10 m. Tankers: 33,000 d.w.t., LOA 200 m., draft 9.1 m. *Fuel:* All grades will be lightered from the nearest bunker stock ports. *Dry Docks:* See Shimonoseki.
Airport: Fukuoka.
Mokha, Yemen: 13.20 N. 43.15 E. 32
Mokil Is., Caroline Is., Micronesia: 6.40 N. 159.47 E. 48
Mokpo, South Korea: 34.37 N. 126.23 E. 41
Max. Size: Depth 13 m.
Mola Di Bari, Italy: 41.03 N. 17.05 E. 24
Molde, Norway: 62.44 N. 7.10 E. 9, 15
Max. Size: Depths to 32 ft. LW, 39 ft. in New port.
Airport: Aaro, 4 km.
Molfetta, Italy: 41.12 N. 16.35 E. 24
Molle, Sweden: 56.17 N. 12.30 E. 11
Mollendo, Peru: 17.00 S. 72.02 W. 72
Moller, see Port Moller.
Moller Bay, U.S.S.R.: 72.20 N. 53.00 E. 16
Molos, Greece: 38.45 N. 22.35 E. 24, 25
Molucca Sea 45
Moluccas, Indonesia 45
Moma, Mozambique: 16.45 S. 39,15 E. 30
Mombasa, Kenya: 4.04 S. 39.40 E. 30
Max. Size: LOA 850 ft., draft 43 ft. 06 in. *Fuel:* All grades.
Dry Docks: Dimensions: 590 ft. (180 m.)×80 ft. (24.75 m.).
Airport: 7 miles.
Mombetsu, Japan: 44.20 N. 143.20 E. 42
Max. Size: Berth length 130 m., depth 7.5 m., 5,000 d.w.t.
Fuel: Available.
Mommark, Denmark: 54.56 N. 10.03 E. 11
Mon Is., Denmark 9, 10, 11
Mona Passage, Caribbean Sea 69
Mona Is., (U.S.A.): 18.05 N. 67.53 W. 69
MONACO 21, 22
Monastir, Tunisia: 35.45 N. 10.50 E. 24
Moncton, New Brunswick, Canada: 46.05 N. 64.45 W. 60
Monemvasia, Greece: 36.41 N. 23.03 E. 24, 25
Moneypoint, Eire: 52.36 N. 9.25 W. 5
Max. Size: 180,000 d.w.t., draft 17 m. *Fuel:* Available.
Monfalcone, Italy: 45.48 N. 13.32 E. 24
Max. Size: LOA 180 m. at the ENEL berth. Draft 10.5 m.
Fuel: Bunkering by barge. *Dry Docks:* 300,000 d.w.t.
Airport: 5 km.
Mongla, Bangladesh: 22.35 N. 89.32 E. 38
Max. Size: Draft 7 m. in all seasons. In S.W. monsoons up to 8 m. on Spring tide. *Fuel:* Limited fuel oil.
Dry Docks: See Chittagong. *Airport:* Jessore, 70 miles.
Mongstad, Norway: 60.49 N. 5.02 E. 10
Max. Size: Draft 22 m. *Fuel:* All grades.
Airport: Flesland, 86 km.
Moni, Cyprus: 34.42 N. 33.11 E. 26
Max. Size: LOA 700 ft., draft 40 ft. *Fuel:* Not available.
Monopoli, Italy: 40.57 N. 17.18 E. 24
Monroe, Michigan, U.S.A.: 41.54 N. 83.26 W. 62
Monrovia, Liberia: 6.20 N. 10.50 W. 27, 29
Max. Size: Ore pier: Draft 45 ft. Bunker pier: Draft 32 ft. Crude oil berth: Draft 40 ft. General cargo pier: Draft 30 ft.
Fuel: Light diesel oil and heavy fuel oil. *Dry Docks:* Floating dock capable of lifting 300 tons. *Airport:* Roberts, 45 miles.
Mons, Belgium: 50.25 N. 3.59 E. 7
Monsteras, Sweden: 57.04 N. 16.28 E. 10
Mont Louis, Quebec, Canada: 49.12 N. 65.44 W. 60
Max. Size: Depth to 30 ft. *Fuel:* Diesel available.
Dry Docks: Les Mechins, 56 miles.
Mont St. Michel, France: 48.40 N. 1.30 W. 7, 19
Montague, Prince Edward I., Canada: 46.10 N. 62.38 W. 60
Montague Is., Alaska, U.S.A. 54
Montauk, New York, U.S.A.: 41.03 N. 71.57 W. 63
Monte Carlo, Monaco: 43.45 N. 7.26 E 21, 22
Max. Size: LOA 130 m., draft 8 m. *Fuel:* No heavy fuel.
Dry Docks: None. *Airport:* Nice, 25 km.
Monte Cristo, Italy: 42.15 N. 10.15 E. 24
Monte Lirio, Panama: 9.15 N. 79.51 W. 70
Montebello, Quebec, Canada: 45.40 N. 74.56 W. 61
Montecristo Is., Italy: 42.18 N. 10.16 E. 24
Montedison, see Brindisi.
Montego Bay, Jamaica: 18.30 N. 77.56 W. 69
Max. Size: Depth 34 ft. *Fuel:* All grades. *Dry Docks:* None.
Airport: 5 miles.
Monterey, California, U.S.A.: 36.36 N. 121.54 W. 57
Montevideo, Uruguay: 34.55 S. 56.13 W. 72, 75
Max. Size: Depth 33 ft. Tankers: LOA 241.5 m., beam 32.33 m., draft 28 ft. *Fuel:* All grades. *Dry Docks:* Floating dock, lifting capacity 12,000 tons, 545 ft. (165.99 m.) long and 93 ft. (28.51 m.) wide. *Airport:* 30 minutes by car.
Montijo, see Lisbon.
Montmagny, Quebec, Canada: 46.59 N. 70.34 N. 60
Montoir, France: 47.18 N. 2.08 W. 19
Max. Size: LOA 300 m., draft 16.1 m. *Fuel:* Available.
Dry Docks/Airport: See St. Nazaire.
Montreal, Quebec, Canada: 45.30 N. 73.33 W. 60, 61
Max. Size: Entry restricted by draft. Main channel depth is 10.67 m. *Fuel:* All grades. *Airport:* International.
Montreuil, France: 50.28 N. 1.45 E. 7

Montrose, U.K.: 56.42 N. 2.17 W. 5
Max. Size: LOA 150 m. and 15,500 tons, draft 24 ft.
Fuel: Available. *Dry Docks:* None.
Airport: Aberdeen, 36 miles.

Montserrat Is., see Plymouth, Montserrat.

Montt, see Puerto Montt.

Monument Beach, Massachusetts, U.S.A.: 41.43 N. 70.37 W. . 64

Moody, see Port Moody.

Mooretown, Ontario, Canada: 42.50 N. 82.28 W. 62

Moose Factory, Ontario, Canada: 51.18 N. 80.39 W. 59

Moosonee, Ontario, Canada: 51.17 N. 80.35 W. 59

Morant, see Port Morant.

Morant Bay, see Port Morant.

Moratuwa, Sri Lanka: 6.43 N. 79.54 E. 37

Morawhanna, Guyana: 8.10 N. 59.40 W. 69, 74

Moray Firth, U.K. 5

Morbylanga, Sweden: 56.32 N. 16.23 E. 10

Morecambe, U.K.: 54.05 N. 2.50 W. 5

Morehead City, North Carolina, U.S.A.: 34.43 N. 76.42 W. 55, 63
Max. Size: Controlled depth of 40 ft. (MLW) *Fuel:* Available.
Airport: 1 hours drive.

Morelas, see Puerto Morelas.

Moresby, see Port Moresby.

Moresby Is. British Columbia, Canada 56

Moreton Bay, see Brisbane.

Moreton Is., Queensland, Australia: 27.10 S. 153.25 E. 49

Morgan City, Louisiana, U.S.A.: 29.42 N. 91.12 W. 66

Mori, Japan: 42.06 N. 140.34 E. 42

Morlaix, France: 48.35 N. 3.50 W. 19

Mormugao, India: 15.25 N. 73.47 E. 37
Max. Size: Draft 13.0 m., LOA 305 m. Vessels loading west of breakwater in fair weather – no restriction.
Fuel: High speed diesel oil, light diesel oil and furnace oil.
Dry Docks: None. *Airport:* 7 km.

Mornington Is., Queensland, Australia: 16.30 S. 139.30 E. . . . 49

Moro Gulf, Philippines 45, 46

Morobe, Papua New Guinea: 7.47 S. 147.38 E. 45

MOROCCO 20, 21, 22, 27

Morombe, Madagascar: 21.45 S. 43.20 E. 30

Moron, Cuba: 22.02 N. 78.29 W. 69

Moron, Venezuela: 10.32 N. 68.11 W. 69
Terminal closed. Operations now at El Palito.

Morondava, Madagascar: 20.17 S. 44.18 E. 30

Moroni, Comoros.: 11.42 S. 43.15 E. 30

Morotai Is., Indonesia 45

Morphou Bay, see Gemikonagi.

Morrisburg, Ontario, Canada: 44.55 N. 75.09 W. 61

Morristown, New York, U.S.A.: 44.35 N. 75.39 W. 61

Morro Bay, California, U.S.A.: 35.22 N. 120.51 W. 57

Morro Redondo, Mexico: 28.03 N. 115.11 W. 57
Max. Size: 160,000 d.w.t., depth 17 m. *Fuel:* Not available.
Airport: Flights to mainland.

Mors Is., Denmark. 10

Mort Bay, see Sydney, Australia.

Mortagne, France: 45.29 N. 0.48 W. 19

Moruya, N.S.W., Australia: 35.56 S. 150.04 E. 49

Mosjoen, Norway: 65.51 N. 13.11 E. 9, 15
Max. Size: Draft above 33 ft. only at HW and immediate discharge. *Fuel:* Gas oil, delivered by lorries.

Moskalvo, U.S.S.R.: 53.35 N. 142.30 E. 42

Moskenesoya, (Lofoten Is.), Norway: 68.00 N. 13.10 E. 15

Moss, Norway: 59.25 N. 10.40 E. 8, 9, 10

Moss Landing, California, U.S.A.: 36.48 N. 121.47 W. 57

Mossbank, see Sullom Voe.

Mossel Bay, South Africa: 34.10 S. 22.09 E. 29
Max. Size: LOA 130 m., draft 6.5 m., displacement 5,000 tons. Tankers: 32,000 d.w.t. *Fuel:* Limited supplies of gas oil.
Airport: George Airport, 40 km.

Mostaganem, Algeria: 35.56 N. 00.04 E. 22
Max. Size: LOA 180 m., depth 27 ft. *Fuel:* No facilities.
Airport: Oran, 80 km.

Mostyn, U.K.: 53.19 N. 3.16 W. 5

Motala, Sweden: 58.30 N. 15.00 E. 10

Motril, Spain: 36.43 N. 3.30 W. 22
Max. Size: Draft 27 ft. *Fuel:* Available.
Airport: Malaga, 105 km. Granada, 70 km.

Motu One, Marquesa Is., French Polynesia: 7.43 S. 140.21 W. 48

Motueka, New Zealand: 41.05 S. 173.00 E. 52

Moudhros, Greece: 39.51 N. 25.17 E. 25, 26

Moudi Marine Terminal, Cameroon: 4.07 N. 8.29 E. 28
Max. Size: 280,000 d.w.t., depth 57 m.

Moulmein, Myanmar: 16.29 N. 97.37 E. 38

Mount Maunganui, New Zealand: 37.39 S. 176.11 E. 52
Max. Size: See Tauranga.

Mountain Village, Alaska, U.S.A.: 62.05 N. 163.20 W. 54

Mourilyan, Queensland, Australia: 17.36 S. 146.08 E. 49
Max. Size: LOA 183 m., beam 32.2 m., departure draft 7.62 m.
Fuel: Limited quantities of fuel oil, diesel.
Airport: Nearest Cairns, 110 km.

Mouths of the Amazon, Brazil 72

Moutsouna, Naxos Is., Greece: 37.05 N. 25.35 E. 25

Moville, Eire: 55.11 N. 7.03 W. 5
See Londonderry, Northern Ireland.

Mozambique, Mozambique: 14.58 S. 40.45 E. 30
Max. Size: Draft less than 30 ft. cross the bar.
Fuel: Small quantities. *Airport:* 7 km., connects with Maputo.

Mozambique Channel 30

Mtwara, Tanzania: 10.16 S. 40.12 E. 30
Max. Size: LOA 175 m., draft 9.76 m.
Fuel: Not available. *Airport:* Internal, 7 miles.

Muar, Malaya, Malaysia: 2.03 N. 102.35 E. 38, 39

Muara, Brunei: 5.01 N. 115.04 E. 38
(incl. Bandar Seri Bagawan: 4.53 N. 114.56 E.)
Max. Size: LOA 600 ft. Depth in dredged channel and at berth 32 ft. *Fuel:* High speed diesel in small quantities.
Dry Docks: None. *Airport:* International, 12 miles.

Mubarek Terminal, U.A.E.: 25.49 N. 55.11 E. 35
Max. Size: 250,000 d.w.t. *Fuel:* Not available.

Mubarras Island, U.A.E.: 24.26 N. 53.32 E. 35
Max. Size: Depth at buoy 15.5 m. *Fuel:* Not available.

Mucuripe, see Fortaleza.

Mudanya, Turkey: 40.24 N. 28.52 E. 25, 26

Muelle de Hierro, see Bahia Blanca.

Muftiyah, see Basrah.

Muhammed Bin Qasim, see Port Muhammed Bin Qasim.

Muhammed Qol, Sudan: 20.53 N. 37.09 E. 32

Muhu, U.S.S.R.: 58.34 N. 23.20 E. 10

Mukaishima, see Onomichi.

Mukalla, Yemen: 14.31 N. 49.09 E. 31
Max. Size: LOA 145 m., draft 8.5 m. *Fuel:* Not available.
Airport: Rayan, 29 km.

Mukawwar Is., Sudan: 20.45 N. 37.16 W. 32

Mukho, South Korea: 37.33 N. 129.07 E. 41, 42
Max. Size: LOA 180 m., beam 25 m., draft 8.5 m.
Fuel: Most grades. *Dry Docks:* None.
Airport: Nearest Seoul.

Mukilteo, Washington, U.S.A.: 47.57 N. 122.18 W. 56

Muko, (Japan): 27.40 N. 142.08 E. 45

Muleje, Mexico: 26.54 N. 112.00 W. 57

Mulgrave, Nova Scotia, Canada: 45.37 N. 61.27 W. 60
Max. Size: See Port Hawkesbury.

Mull, U.K.: 56.25 N. 6.00 W. 5

Mullaittivu, Sri Lanka: 9.15 N. 80.49 E. 37

Mullerup, see Reerso.

Multedo, Italy: 44.25 N. 8.50 E. 24
(incl. Single Mooring Oil Platform: 44.24 N. 8.49 E.)
Max. Size: 500,000 d.w.t., depth 50 m. Also see Genoa.

Muna Butung Is., Indonesia 45

Mundra, India: 22.54 N. 69.42 E. 37
Max. Size: Anchorage Port or 8 ft. draft alongside.

Munising, Michigan, U.S.A.: 46.25 N. 86.40 W. 62

Munkedal, Sweden: 58.26 N. 11.41 E. 10

Munksund, Sweden: 65.17 N. 21.32 E. 15

Muntok, Indonesia: 2.04 S. 105.10 E. 38
Max. Size: Depth 2 m. *Fuel:* Not available. *Airport:* None.

Muqam, Iran: 26.58 N. 53.29 E. 35

Murilo Is., see Hall Is.

Murmansk, U.S.S.R.: 69.00 N. 33.03 E. 16
Max. Size: LOA 200 m., draft 12 m. *Fuel:* All grades by barge. *Dry Docks:* Largest: Length 225 m., width 45 m.

Muroran, Japan: 42.20 N. 140.58 E. 42
Max. Size: Tankers: 50,000 d.w.t., LOA 230 m., draft 11 m.
Sea Berth: 100,000 d.w.t., LOA 250 m., draft 15 m.
Ore Carriers: 160,000 d.w.t. LOA 300 m., draft 16 m.
Fuel: Available. *Airport:* Domestic (Chitose), 100 km.

Muroroa Is., Tuamoto Arch., French Polynesia:
21.52 S. 138.55 N. 48

Muros, Spain: 42.47 N. 9.03 W. 20

Muroto, Japan: 33.13 N. 134.09 E. 44

Murtinho, see Porto Murtinho.

Murud, India: 18.26 N. 73.00 E. 37

Muruvik, see Stjordalhalsen.

Murwik, see Flensburg.

Muscat, Oman: 23.37 N. 58.37 E. 31, 35
Max. Size: See Port Qaboos.

Musel, Spain: 43.34 N. 5.42 W. 19
Max. Size: See Gijon.

Musi Bar, Indonesia: 2.09 S. 104.58 E. 38, 45

Muskegon, Michigan, U.S.A.: 43.15 N. 86.16 W. 62

Musko Is., Sweden: 59.01 N. 18.06 E. 10

Mussau Is., Papua New Guinea: 1.25 S. 149.40 E. 45

Mustola, Finland: 61.04 N. 28.18 E. 13
Max. Size: See Saimaa Canal.

Mutrah, see Port Qaboos.

Mutsamudu, Anjouan Is., Comoros: 12.10 S. 44.25 E. 30

Mutsure, Japan: 33.58 N. 130.54 E. 43, 44
Max. Size: See Shimonoseki.

My Tho, see Me Tho.

Myako Is., Ryukyu Is., Japan: 24.46 N 125.25 E. **41, 45**
MYANMAR, UNION OF **38**
Myedhi Is., Komanderski Is., U.S.S.R.: 54.40 N. 167.32 E. **54**
Mykonos, Greece: 37.26 N. 25.25 E. **25, 26**
(incl. Ormos Ayias Annas: 37.26 N. 25.25 E.)
Max. Size: Vessels in excess of 22,000 d.w.t. have been accommodated at Ormos Ayias Annas.
Myre, Norway: 69.00 N. 15.10 E. **15**
Myrnas, see Hovid.
Myrtle Grove, Louisiana, U.S.A.: 29.38 N. 89.57 W. **67**
Max. Size: LOA 290 m., draft 12.2 m. *Fuel:* Not available.
Mystic, see Noank.

NOTES, ADDITIONS, CORRECTIONS

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N

Naandendaal, see Turku.
Naantali, Finland: 60.28 N. 22.01 E. **10**
Max. Size: Tankers: LOA 210 m., depth 13 m. Main quay: LOA 150 m., depth 13 m. *Fuel:* All grades. *Dry Docks:* None. *Airport:* 20 km.
Naband, Iran: 27.24 N. 52.38 E. **35**
Nabq, Egypt: 28.05 N. 34.10 E. **32**
Nacala, Mozambique: 14.32 S. 40.37 E. **30**
Max. Size: Anchorage: Draft 18.0 m., 130,000 d.w.t. Container Terminal: Draft 14.0 m. *Fuel:* Available. *Dry Docks:* None. *Airport:* Nampula, 190 km.
Nador, see Port Nador.
Nadym, U.S.S.R.: 65.30 N. 72.52 E. **16**
Naerbo, Norway: 58.40 N. 5.40 E. **10**
Naersnes, see Slemmestad.
Naestved, Denmark: 55.14 N. 11.45 E. **11**
Max. Size: LOA 100 m., draft 5.6 m. with breadth 12.2 m. Breadth 14.4 m. with draft 4.8 m. *Fuel:* All grades by lorry. *Airport:* Copenhagen, 90 km.
Naga Is., Japan: 32.10 N. 130.08 E. **44**
Nagahama, Japan: 33.35 N. 132.28 E. **44**
Nagapattinam, India: 10.45 N. 79.50 E. **37**
Max. Size: Anchorage: No restrictions. *Fuel:* Limited diesel oil. *Dry Docks:* None. *Airport:* Madras.
Nagasaki, Japan: 32.45 N. 129.52 E. **41, 42, 44, 45**
Max. Size: LOA 1,200 ft., beam 120 ft., draft 15.0 m. Tankers: 60,000 d.w.t., LOA 230 m., draft 13 m.; 20,000 d.w.t., LOA 230 m., draft 15 m. *Fuel:* Available ex-barge only. *Dry Docks:* Largest – length 400 m., width 100.0 m., depth 14.5 m., capacity (g.r.t.) 250,000. *Airport:* 54 km., flights to Tokyo and Osaka.
Nagayeva, see Magadan.
Nagayevo Bay, U.S.S.R. **42**
Nagercoil, India: 8.11 N. 77.25 E. **37**
Nagoya, Japan: 35.05 N. 136.53 E. **42**
Max. Size: Depth 12 m. Ore: Depth 14 m. Container: Depth 12 m. Tankers: 250,000 d.w.t., 25.5 m. depth. *Fuel:* All grades. *Dry Docks:* Length 810 m., width 92 m., capacity 250,000 g.r.t. *Airport:* Nagoya, 20 km.
Nagu, Finland: 60.15 N. 22.00 E. **10**
Naguabo, see Humacao.
Naha, Okinawa, Japan: 26.12 N. 127.40 E. **41, 45**
Max. Size: Draft 11 m. Tankers: Depth 8.5 m. *Fuel:* All grades.
Nahma, Michigan, U.S.A.: 45.50 N. 86.40 W.: **62**
Nain, Newfoundland, Canada: 56.33 N. 61.41 W. **59**
Naira, see Pulau Naira.
Nairn, U.K.: 57.35 N. 3.55 W. **5**
Najin, North Korea: 42.15 N. 130.18 E. **42**
Nakagusuku Wan, see Nishihara.
Nakanoseki, Japan: 34.00 N. 131.34 E. **44**
Max. Size: Channel: Depth 10.5 m. Berth: Depth 12 m.
Nakatsu, Japan: 33.35 N. 131.15 E. **44**
Nakhodka, U.S.S.R.: 42.48 N. 132.53 E. **42**
Max. Size: Draft for Commercial port 9.10 m., Passenger Terminal 8.6 m. *Fuel:* Available. *Airport:* 1,000 km.
Naknek, Alaska, U.S.A.: 58.42 N. 157.01 W. **54**
Nakskov, Denmark: 54.50 N. 11.08 E. **9, 11**
Max. Size: Draft 19 ft., LOA 660 ft., beam 70 ft. (Approx. 2,000 d.w.t.). *Fuel:* Available. *Dry Docks:* Up to 32,000 d.w.t. *Airport:* International, 160 km.
Namatanai, Papua New Guinea: 3.38 S. 152.30 E. **45**
Nambucca, N.S.W., Australia: 30.38 S. 153.00 E. **49**
Namibe, see Mocamedes.
NAMIBIA **29**
Namikata, Japan: 34.07 N. 132.55 E. **44**
Max. Size: Tankers: 125,000 d.w.t. Gas tankers: 67,000 d.w.t. *Fuel:* Not available. *Airport:* Nearest at Matsuyama and Takamatsu.
Namlea, Indonesia: 3.17 S. 127.05 E. **45**
Namoluk Is., Caroline Is., Micronesia: 5.55 N. 153.08 E. . . **45, 48**
Namonuito, Caroline Is., Micronesia: 8.42 N. 150.00 E. **45**
Namorik, Marshall Is., (U.S.A.): 5.35 N. 168.10 E. **48**
Nampo, N. Korea: 38.43 N. 125.25 E. **41**
Max. Size: Coal berth: 20,000 d.w.t., depth 6 m. – 12 m. *Dry Docks:* Vessel about 180 m.
Namsos, Norway: 64.28 N. 11.30 E. **9, 15**
Max. Size: Largest: 15,000 d.w.t., depth 9 m. Tankers: Depth 5 m. at LW alongside. *Fuel:* All grades. *Airport:* 4 km.
Namu, British Columbia, Canada: 51.52 N. 127.51 W. **56**
Namur, Belgium: 50.26 N. 4.51 E. **7**
Nan Tung, see Nantong.
Nanaimo, British Columbia, Canada: 49.10 N. 123.57 W. **56**
Max. Size: Controlling depths: Harbour entrance, 17.37 m. at HW. Mean channel depth, 8.5 m. at LW. Mean rise of tide 3.2 m. *Fuel:* Available. *Dry Docks:* Max. 200 ft and 600 tons. (Also see "Vancouver".) *Airport:* Nanaimo, 16 km.

Nanao, Japan: 37.02 N. 136.58 E. 42
Nanchital, Mexico: 18.00 N. 94.27 W. 69
Max. Size: LOA 580 ft., draft 27 ft. 6 in. *Fuel:* Available. *Dry Docks:* None. *Airport:* Minatitlan – 1 hour car drive, connects with Mexico City.
Nancowry, (Nicobar Is.), India: 8.02 N. 93.32 E. 38
Nandi, Fiji Is.: 17.45 S. 176.25 E. 48
Nanisivik, N.W. Territories, Canada: 73.04 N. 84.32 W. 59
Max. Size: Draft must not exceed approx. 40 ft. alongside. *Fuel:* Not available. *Airport:* Approx. 8 miles.
Nanjing, China: 32.03 N. 118.47 E. 41
Max. Size: LOA 200 m., draft 9.5 m. (F.W.), 30,000 d.w.t. *Fuel:* Available.
Nanok, Greenland, (Denmark): 75.10 N. 19.48 W. 17
Nanoose Harbour, British Columbia, Canada: 49.16 N. 124.09 W. 56
Nanortalik, Greenland, (Denmark): 60.08 N. 45.13 W. 17
Nanterre, see Paris.
Nantes, France: 47.14 N. 1.34 W. 19
Max. Size: LOA 225 m., max. draft 10.05 m. *Fuel:* Available. *Dry Docks:* 4,500 ton floating dock, max. length 130 m. *Airport:* Nantes.
Nantong, China: 32.01 N. 120.49 E. 41
Max. Size: Nantong: LOA 70 m., draft 5 m. Langshan: LOA 180 m., draft 9.5 m. *Fuel:* Available.
Nantucket, Mass., U.S.A.: 41.17 N. 70.06 W. 63
Nantucket Is., Mass., U.S.A.: 41.16 N. 70.03 E. 60, 63
Nantucket Sound 63
Nanumanga Is., Tuvalu: 6.18 S. 176.18 E. 48
Nanumea, Tuvalu: 5.40 S. 176.08 E. 48
Naoetsu, Japan: 37.11 N. 138.14 E. 42
Max. Size: LOA 160 m., draft 9.50 m. in Summer, and 9.00 m. in Winter. Kosanhin: 40,000 d.w.t., draft 11.5 m. *Fuel:* Bonded oil will be brought from Moji or Hakodate. *Airport:* Niigata, 2.5 hours by train, connects with Tokyo.
Naos, see Arrecife.
Naos Is., Panama: 8.55 N. 79.32 W. 70
Naoshima, Japan: 34.28 N. 133.58 E. 44
Max. Size: 20,000 g.r.t., LOA 180 m., draft 10 m. *Fuel:* Bonded oil will be brought from Kobe.
Napanee, Ontario, Canada: 44.15 N. 76.58 W. 62
Napassoq, Greenland, (Denmark): 65.03 N. 52.24 W. 17, 59
Napier, New Zealand: 39.29 S. 176.54 E. 52
Max. Size: LOA 230 m., draft 10.4 m. *Fuel:* 220 sec. and 1,000 sec. Most Grades available. *Airport:* Hawke's Bay, 3 miles.
Naples, Italy: 40.50 N. 14.17 E. 21, 24
Max. Size: Containers: Depth 36 ft. Tankers: Up to 45 ft. draft. *Fuel:* All grades. *Dry Docks:* Largest: 349 m. length, 45 m. width. *Airport:* 8 km.
Naples, Florida, U.S.A.: 26.09 N. 81.46 W. 66
Narayanganj, Bangladesh: 23.30 N. 90.35 E. 38
Narooma, N.S.W., Australia: 36.13 S. 150.07 E. 49
Narovik, see Keflavik.
Narssalik, Greenland, (Denmark): 61.40 N. 49.10 W. 17
Narssaq, Greenland, (Denmark): 60.54 N. 46.01 W. 17, 59
Narssarssuaq, Greenland, (Denmark): 61.08 N. 45.26 W. 17
Max. Size: Largest vessel to berth at quay was LOA 130 m., draft 8 m. *Airport:* Landing-strip for aircraft.
Naruto, Japan: 34.11 N. 134.37 E. 44
Narva Joessu, U.S.S.R.: 59.28 N. 28.03 E. 10
Narvik, Norway: 68.25 N. 17.24 E. 9, 15
Max. Size: Depths 13.5 m. to 27.5 m. alongside. *Fuel:* Only clean oil (diesel) and lubricating oil. *Dry Docks:* None. *Airport:* Narvik, 5 minutes by taxi. Connects with major airports.
Naryan-Mar, U.S.S.R.: 67.38 N. 53.00 E. 16
Max. Size: Draft declared by Port Authorities after being checked in the beginning of the season, and is about 15 ft. *Fuel:* Not guaranteed. *Dry Docks:* None. *Airport:* Situated near town.
Nas, see Botea.
Nash Harbour, Alaska, U.S.A.: 60.12 N. 166.57 W. 54
Nasipit, Mindanao, Philippines: 9.06 N. 125.22 E. 46
Max. Size: LOA 550 ft., beam 65 ft., mean draft 25 ft. *Fuel:* Available. *Airport:* Boncasi, 7 km.
Nassau, New Providence Is., Bahamas: 25.05 N. 77.20 W. 69
Max. Size: Safe draft 35 ft. Safe draft at cargo pier 25 ft. Tankers at Clifton Pier 36 ft. draft. *Fuel:* Small quantities diesel only. *Airport:* International.
Nassau Is., Cook Is., (New Zealand): 11.25 S. 165.25 W. 48
Nastapoka Is., Hudson Bay, Canada 59
Nasugbu, Philippines: 14.05 N. 120.38 E. 45
Natal, Brazil: 5.47 S. 35.12 W. 72
Max. Size: LOA 520 ft., draft up to 23 ft. 6 in. (Spring tide.) *Fuel:* Available. *Dry Docks:* Up to 2,800 tonnes, 5.8 m. draft. *Airport:* Internal, 20 km.
Natal, see Durban.
Natales, see Puerto Natales.
Natashquan, Quebec, Canada: 50.11 N. 61.48 W. 60
Naubinway, Michigan, U.S.A.: 46.08 N. 85.28 W. 62
NAURU 48
Nauru, Nauru: 00.32 S. 166.56 E. 48
Max. Size: LOA 630 ft., beam 90 ft., 42,000 tons displacement, depth at buoys 30 m. *Fuel:* Limited quantities of heavy fuel or diesel oil. *Airport:* 1 km.
Navarino Bay, Greece 25
Navarino Is., Argentina 72
Navia, Spain: 43.33 N. 6.43 W. 19
Naviakhi, India: 22.57 N. 70.27 E. 37
Max. Size: Open roadstead port. *Fuel:* Not available. *Dry Docks:* None. *Airport:* None.
Navpaktos, Greece: 38.24 N 21.50 E. 25
Navplion, Greece: 37.34 N. 22.48 E. 24, 25
Nawiliwili, Hawaii, U.S.A.: 21.57 N. 159.21 W. 48
Max. Size: LOA 687 ft., beam 90 ft., draft 32 ft. 6 in. *Fuel:* Diesel fuel. *Airport:* Lihue, 3 miles.
Naxos Is., Greece: 37.07 N. 25.24 E. 25, 26
Nayakhan, U.S.S.R.: 61.55 N. 159.00 E. 54
Nazare, Portugal: 39.36 N. 9.05 W. 20
Ndene Is., Santa Cruz Is., Solomon Is. 48
Nea Moudhania, Greece: 40.14 N. 23.17 E. 25
Nea Peramos, Greece: 40.50 N. 24.18 E. 25
Nea Rodha, Greece: 40.23 N. 23.55 E. 25
Neah Bay, Washington, U.S.A.: 48.23 N. 124.38 W. 56
Neapolis, Greece: 36.30 N. 23.05 E. 24, 25
Near Is., (Aleutian Islands), Alaska, U.S.A. 54
Neath, U.K.: 51.40 N. 3.48 W. 5
(incl. Briton Ferry: 51.37 N. 3.49 W.)
Max. Size: Draft 6.0 m. *Fuel:* Not available. *Airport:* Cardiff, 35 miles.
Neches, see Port Neches.
Necochea, Argentina: 38.35 S. 58.43 W. 72
Max. Size: See Quequen.
Needakara, India: 8.56 N. 76.33 E. 37
Max. Size: Anchorage port. *Fuel:* Available at Cochin.
Needles, Isle of Wight, U.K.: 50.40 N. 1.35 W. 5, 7
Negishi, see Yokohama.
Negombo, Sri Lanka: 7.12 N. 79.50 E. 37
Negritos, Peru: 4.41 S. 81.19 W. 72
Negros Is., Philippines 45, 46
Neiafu, Vavau Is., Tonga: 18.39 S. 173.59 W. 48
Nekso, Denmark: 55.04 N. 15.08 E. 10
Nelma, U.S.S.R.: 47.38 N. 139.00 E. 42
Nelson, New Zealand: 41.16 S. 173.17 E. 52
Max. Size: LOA 200 m., draft 9.2 m., beam 32.5 m. Tankers: Draft 7.9 m. *Fuel:* Marine fuel oil, gas oil. *Dry Docks:* Slipway for up to 1,500 ton vessels. *Airport:* 3 miles.
Nelson, Canada, see York Factory.
Nelson, New Zealand, see Nelson.
Nelson Is., Alaska, U.S.A. 54
Nemam, India: 8.30 N. 77.00 E. 37
Nemours, see Ghazouet.
Nemrut Bay, Turkey: 38.46 N. 26.55 E. 25, 26
Max. Size: Depths up to 21 m. *Fuel:* May be available. *Airport:* Izmir, 30 miles.
Nemuro, Japan: 43.22 N. 145.34 E. 42
Nemuy, U.S.S.R.: 55.38 N. 135.05 E. 42
Nepoui, New Caledonia: 21.20 S. 164.25 E. 48
Max. Size: LOA 163 m., draft 8.7 m. See also Noumea, Babouillat.
Neringa, U.S.S.R.: 55.30 N. 21.05 E. 10
Nes, U.S.S.R.: 66.40 N. 44.45 E. 16
Nesebur, Bulgaria: 42.41 N., 27. 45 E. 26
Neskaupstadur, Iceland: 65.09 N. 13.41 W. 17
Max. Size: Depth close to jetty 7 m. *Fuel:* Diesel oil only. *Dry Docks:* None. Slipway – 450 tons. *Airport:* 3 km.
Nessabar, see Bourgas.
Nesseby, Norway: 70.10 N. 28.50 E. 15
NETHERLANDS 7, 10
NETHERLANDS ANTILLES 69
Neuss, see Dusseldorf.
Neustadt, Germany: 54.06 N. 10.50 E. 10, 11
Nevelsk, U.S.S.R.: 46.40 N. 141.51 E. 42
Max. Size: Depth to 6.5 m. *Fuel:* Diesel oil.
Nevis Island, (U.K.) 69
New Amsterdam, Guyana: 6.14 N. 57.31 W. 69, 72
(incl. Berbice 6.20 N. 57.28 W., Everton 6.14 N. 57.29 W.)
Max. Size: 2 ft. less than Demerara Bar draft predictions. *Fuel:* Can be supplied.
New Bedford, Massachusetts, U.S.A.: 41.38 N. 70.55 W. 55, 63
Max. Size: LOA 700 ft. Vessels over 30 ft. draft restricted by tides. *Fuel:* All types. *Airport:* 3 International airports within 1 hour's drive.
New Bern, North Carolina, U.S.A.: 35.07 N. 77.03 W. 63
New Britain, Papua New Guinea 45, 48

New Brunswick, Canada 60
NEW CALEDONIA, (FRANCE) 36, 48
New Castle, Delaware, U.S.A.: 39.39 N. 74.33 W. 63
Max. Size: See Wilmington, Delaware.
New Georgia Is., see Viru Harbour.
New Glasgow, Nova Scotia, Canada: 45.36 N. 62.38 W. 60
New Guinea, see Papua New Guinea.
New Hampshire, U.S.A. 60, 62, 63
New Hanover, Papua New Guinea 45
New Haven, Connecticut, U.S.A.: 41.14 N. 72.55 W. . . 55, 60, 63
Max. Size: Draft up to 35 ft. Tankers: 40,000 d.w.t.
Fuel: Available. *Airport:* New Haven, 1 mile.
New York, 70 miles.
New Hebrides, see VANUATU.
New Holland, U.K.: 53.12 N. 0.21 W. 5, 6
Max. Size: 5,000 d.w.t., LOA 110 m., draft 7 m. – 7.5 m.
Fuel: Available by barge from Hull. *Airport:* Humberside, 15 minutes by road.
New Hythe, see Snodland.
New Ireland, Papua New Guinea 45, 48
New Jersey, U.S.A. 60, 62, 63
New London, Connecticut, U.S.A.: 41.21 N. 72.06 W. . . 55, 60, 63
Max. Size: Vessels 650 ft. LOA use the harbour. Depths to 36 ft. MLW. Tankers: Depth 36 ft. *Fuel:* Available.
Dry Docks: None. *Airport:* Groton-New London, 3 miles.
New Mangalore, India: 12.57 N. 74.48 E. 37
Max. Size: Draft 33 ft. Ore: Draft 41 ft.
Tankers: Draft 33 ft., LOA 600 ft., 30,000 d.w.t.
Fuel: By tank trucks. *Dry Docks:* None. *Airport:* 15 km.
New Nickerie, Suriname: 5.57 N. 56.59 W. 69, 72
Max. Size: Draft 14 ft. – 17 ft., LOA 130 m. (426 ft.).
Fuel: Small quantities of fuel available. *Airport:* 10 km., connects with Paramaibo.
New Orleans, Louisiana, U.S.A.: 29.56 N. 90.04 W. . . 1, 55, 66, 67
Max. Size: Draft governed by S.W. Pass, project depth 45 ft. Depth at berths 40 ft. *Fuel:* Available by barge or Bunker "C" at Amesville/Marrero. *Airport:* New Orleans.
New Plymouth, New Zealand: 39.03 S. 174.03 E. 52
Max. Size: LOA 700 ft. (213.4 m.), draft 9.65 m.
Fuel: Available. *Airport:* 10 miles.
New Port, (Curacao), Netherlands Antilles: 12.03 N. 68.49 W. 73
New Providence Is., Bahamas 69
New Richmond, Quebec, Canada: 48.10 N. 65.54 W. 60
Max. Size: Depth 17 ft.
New Rochelle, New York, U.S.A.: 40.55 N. 73.46 W. 63
New Ross, Eire: 52.23 N. 6.56 W. 5
Max. Size: Draft 19 ft. at Neap tides, 22 ft. at Spring tides, LOA 360 ft., beam 60 ft. *Fuel:* Obtainable by road tankers.
Airport: Dublin 95 miles; Cork 90 miles.
New Territories, Hong Kong, (U.K.) 47
New South Wales, (N.S.W.), Australia 48, 49
New Tuticorin, India: 8.42 N. 78.20 E. 37
New Westminster, see Fraser Port.
New York, New York, U.S.A.: 40.43 N. 74.00 W. . . . 1, 55, 60, 63
(incl.: Brooklyn and Kill van Kull)
Max. Size: Brooklyn: Depths to 40 ft. Tankers: Depth 37 ft. Kill van Kull: Tankers: Depth 38 ft. *Fuel:* All grades.
Dry Docks: LOA 1,100 ft., beam 140 ft. and 120,000 d.w.t.
Airports: J.F. Kennedy, Newark and La Guardia.
New York, U.S.A. 60, 61, 62, 63
NEW ZEALAND 52
Newark, New Jersey, U.S.A.: 40.42 N. 74.10 W. 63
(incl.: Elizabethport: 40.39 N. 74.11 W.)
Max. Size: Depths 30 ft. – 34 ft. Tankers: Depth 31 ft. – 32 ft.
Also see New York.
Newark Bay, New Jersey, U.S.A. 63
Newburgh, Fife, U.K.: 56.21 N. 3.14 W. 5
Newburgh, Grampian, U.K.: 57.19 N. 2.00 W. 5
Newburgh, New York, U.S.A.: 41.30 N. 74.02 W. 63
Newburyport, Massachusetts, U.S.A.: 42.49 N. 70.52 W. . . . 63
Newcastle, N.S.W., Australia: 32.55 S. 151.48 E. 49
Max. Size: LOA 290 m., depths to 16.5 m. Tankers: Depth 11.6 m. (38 ft.). *Fuel:* Available. *Dry Docks:* Floating dock: 195 m. length and 33.5 m. beam. Capacity 15,000 tonnes.
Airports: 7 miles, connects with Sydney.
Newcastle, New Brunswick, Canada: 47.00 N. 65.33 W. 60
Max. Size: See Chatham, N.B., Canada.
Newcastle, U.K.: 54.58 N. 1.35 W. 5, 6
Max. Size: Newcastle Quay: Draft 7.5 m. *Fuel:* All grades.
Dry Docks: 217.9 m.×32 m., depth on sill 9.4 m. MHWS.
Airport: Newcastle.
Newfoundland, Canada 59, 60
Newhaven, U.K.: 50.47 N. 00.04 E. 5, 7
Max. Size: LOA 520 ft., draft 25 ft. taking bottom on soft mud at LW. North Quay: LOA 250 ft., draft 17 ft. *Fuel:* Available.
Airport: London-Gatwick, 30 miles.
Newlyn, see Penzance.
Newport, see Curacao Bay.
Newport, Eire: 53.53 N. 9.33 W. 5
Newport, (Isle of Wight), U.K.: 50.42 N. 1.17 W. 7
Max. Size: LOA 150 ft., draft 8 ft. See also Cowes.
Newport, Wales U.K.: 51.35 N. 2.59 W. 5, 6, 7
Max. Size: LOA 800 ft., beam 96 ft., draft 34.5 ft.
Fuel: All grades. *Dry Docks:* 454 ft.×64 ft.
Airport: Rhoose Airport, 28 miles.
Newport, Oregon, U.S.A.: 44.38 N. 124.03 W. 56, 57
Newport, Rhode Is., U.S.A.: 41.30 N. 71.20 W. 63
Newport Beach, California, U.S.A.: 33.38 N. 117.53 W. . . 57, 58
Newport News, Virginia, U.S.A.: 36.59 N. 76.26 W. 63, 65
Max. Size: Depth 22 ft. – 46.5 ft. Tankers: Depth to 35 ft.
Fuel: Available. *Dry Docks:* 1,613 ft.×250 ft.×33 ft. (MHW).
Airport: Patrick Henry International.
Newquay, U.K.: 50.25 N. 5.05 W. 5, 19
Newry, U.K.: 54.11 N. 6.20 W. 5
Ngatik Is., Caroline Is., Micronesia: 5.50 N. 157.17 E. 48
Ngulu Is., Caroline Is., Micronesia: 8.25 N. 137.30 E. 45
Nha-Be,Vietnam: 10.41 N. 106.47 E. 38
Nha Trang, Vietnam: 12.12 N. 109.13 E. 38
Max. Size: LOA 150 m., depth 6 m. *Fuel:* Available.
Airport: Local airport connects with Hanoi and Ho Chi Min City.
Nhava Sheva, see Jawaharlal Nehru Port.
Niagara Falls, Ontario, Canada: 43.05 N. 79.04 W. 62
Niagara Falls, New York, U.S.A.: 43.05 N. 79.02 W. 62
Niagara-on-the-Lake, Ontario, Canada: 43.15 N. 79.04 W. . . . 62
Niagara River, Canada/U.S.A. 62
Niah, Sarawak, Malaysia: 3.54 N. 113.46 E. 38
Max. Size: Anchorage: Depth 30 ft., 3.5 miles offshore.
Niapotapu Is., Tonga: 15.50 S. 173.50 W. 48
Nias Is., Indonesia 38
Nibe, Denmark: 56.59 N. 9.38 E. 11
NICARAGUA 69, 72
Nicaro, see Antilla.
Nice, France: 43.42 N. 7.17 E. 21, 22
Max. Size: LOA 145 m., draft 7 m. *Fuel:* All types.
Airport: 4 km.
Nicholls Town, Andros, Bahamas: 25.10 N. 78.12 W. . . . 66, 69
Nicholson, see Wellington.
Nicobar Islands, (India) 38
Niedersachsenbruke, see Wilhelmshaven.
Nieuwpoort, Belgium: 51.09 N. 2.43 E. 7
Max. Size: LOA 82 m., draft 5 m. *Fuel:* Available.
Airport: Middelkerke, 10 km.
Niger Delta, Nigeria 28
NIGERIA 28, 29
Nigg Oil Terminal, see Cromarty
Nightingale Is., (U.K.): 37.30 S. 12.30 W. 29
Nii, Japan: 34.23 N. 139.20 E. 42
Niigata, Japan: 37.54 N. 139.04 E. 42
Max. Size: LOA 250 m., draft 12.5 m. Tankers: LOA 260 m., draft 11.8 m. *Fuel:* Bonded oil will be brought from Hakodate or Moji. *Dry Docks:* No facilities. *Airport:* 5 km.
Niigata-Higashi, Japan: 38.01 N. 139.14 E. 42
Max. Size: Depth 12 m. *Fuel:* Available.
Niihama, Japan: 33.58 N. 133.16 E. 44
Max. Size: LOA 250 m., draft 13 m. *Fuel:* Bunkers in bond available from main ports. *Dry Docks:* None. See Matsuyama. *Airport:* Matsuyama and Takamatsu.
Nijmegan, Netherlands: 51.50 N. 5.51 E. 7, 10
Nikiski, Alaska, U.S.A.: 60.41 N. 151.24 W. 54
Max. Size: Depth in excess of 40 ft. Max. size 80,000 d.w.t.
Fuel: Not available. *Airport:* Air transport available.
Nikitas, Greece: 40.17 N. 23.35 E. 24, 25
Nikolayev, U.S.S.R.: 46.57 N. 31.59 E. 26
Nikolayevsk, U.S.S.R.: 53.08 N. 140.44 E. 42
Nikolskoye, U.S.S.R.: 55.11 N. 166.00 E. 54
Nile Delta 21, 26, 75
Nine Degrees Channel, Laccadives 37
Ningbo, China: 29.52 N. 121.31 E. 41, 45
Max. Size: Depths to 18 m. Tankers: Draft 13.0 m.
Fuel: Available. (See also Beilun).
Ning Hai, China: 29.15 N. 121.25 E. 41, 45
Ning Te, China: 26.43 .N 120.00 E. 41
Ninilchik, Alaska, U.S.A.: 60.03 N. 151.40 W. 54
Nipigon, Ontario, Canada: 49.00 N. 88.15 W. 62
Niquero, Cuba: 20.03 N. 77.35 W. 69
Max. Size: Depth at pier 23 ft. *Fuel:* Not available.
Nishi No, (Japan): 27.15 N. 140.54 E. 45
Nishihara, Okinawa, Japan: 26.14 N. 127.50 E. 41
Max. Size: S.A.L.M. for crude vessels: 270,000 d.w.t.
Product vessels: Up to 97,000 d.w.t. at Pier.
Nishinomiya, Japan: 34.44 N. 135.20 E. 43, 44
Nishtun, Yemen: 15.50 N. 52.12 E. 31
Max. Size: 3,000 d.w.t., LOA 90 m., draft 5 m.
Fuel: Not available. *Airport:* Al-Gaidah, 40 km.
Nisiros Is., Greece: 36.36 N. 27.12 E. 25
Nissan Is., Papua New Guinea: 4.37 S. 154.12 E. 48
Nissyros, see Nisiros.
Niteroi, Brazil: 22.53 S. 43.07 W. 72
Max. Size: Depth 6 m., 20,000 d.w.t. *Fuel:* Available.
Airport: Rio de Janeiro.

Niton, see St. Catherines Point.
Niu Fo'ou Is., Tonga: 15.36 S. 175.38 E. 48
Niu Is., Tuvalu: 7.12 S. 177.12 E. 48
Niuatoputapu Is., Tonga: 15.58 S. 173.46 E. 48
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Niukalita Is., Tuvalu: 10.40 S. 179.20 E. 48
Niutao Is., Tuvalu: 6.04 S. 177.12 E. 48
Niva, Denmark: 55.55 N. 12.31 E. 11
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Njarovik, see Keflavi[illegible].
Noank, Conn., U.S.A.: 41.19 N. 71.59 W. 63
Noatak, Alaska, U.S.A.: 67.34 N. 163.00 W. 54
Nobeoka, Japan: 32.36 N. 131.41 E. 44
Nogliki, U.S.S.R.: 51.48 N. 143.12 E. 42
Noirmoutier Is., France: 47.00 N. 2.15 W. 7
Nolloth, see Port Nolloth.
Nome, Alaska, U.S.A.: 64.30 N. 165.28 W. 54
Nomoi Is., Caroline Is., Micronesia: 5.24 N. 153.35 . . . . . 45, 48
Nomuka Group, see Tonga.
Nomwin Is., see Hall Is.
None, Japan: 33.30 N. 134.15 E. 44
Nootka, see Gold River.
Norco, Louisiana, U.S.A.: 29.59 N. 90.24 W. 66, 67
Nord Ostsee Canal, see Kiel Canal.
Nordagota, see Fuglefjord.
Nordby, Denmark: 55.27 N. 8.24 E. 10
Norddeich, Germany: 53.38 N. 7.10 E. 10
Nordenham, Germany: 53.29 N. 8.29 E. 8, 10
Max. Size: LOA 270 m., draft 42 ft. 8 in. (FW).
Tankers: Draft 32 ft. – 42 ft. 8 in. *Fuel:* All grades.
Dry Docks: Bremerhaven or Bremen. *Airport:* Bremen, 70 km.
Norderney, Germany: 53.42 N. 7.10 E. 10
Nordfjordeid, Norway: 61.50 N. 6.00 E. 15
Nordfjordur, see Neskaupstadur.
Nordhafen, see Kiel.
Nordmaling, Sweden: 63.35 N. 19.30 E. 15
Norfolk, Virginia, U.S.A.: 36.51 N. 76.19 W. 55, 63, 65
Max. Size: Quay lengths to 1,540 ft., depths to 46.5 ft.
Tankers: Depth 40 ft. *Fuel:* All grades.
Dry Docks: Floating dock: Length 950 ft., capacity 54,250 tons.
Airport: Norfolk.
Norfolk Island, (Australia): 29.00 S. 168.00 E. 48
Norheimsund, Norway: 60.22 N. 6.10 E. 10
Normanby Is., Papua New Guinea: 9.55 S. 151.00 E. 45
Normanton, Queensland, Australia: 17.40 S. 141.08 E. 49
Norra Nyhamn, see Essvik.
Norresundby, Denmark: 57.05 N. 9.53 E. 10, 11
Norris Arm, Newfoundland, Canada: 49.05 N. 55.16 W. 60
Norrkoping, Sweden: 58.36 N. 16.12 E. 9, 10
Max. Size: About 45,000 d.w.t. with draft of 11.4 m. (MLW).
Largest tanker: 66,875 d.w.t., LOA 236.46 m. *Fuel:* All grades. *Dry Docks:* None. *Airport:* Kungsangen, 4 miles.
Norrsundet, Sweden: 60.56 N. 17.09 E. 10
Max. Size: Draft 6.4 m., LOA 135 m.
Fuel: Delivered by truck.
Norrtalje, Sweden: 59.46 N. 18.43 E. 9, 10
Norsholm, Sweden: 58.30 N. 16.00 E. 10
Norsminde, Denmark: 56.02 N. 10.16 E. 11
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North Bend, Oregon, U.S.A.: 43.26 N. 124.10 W. 57
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North Cape, New Zealand: 34.22 S. 173.03 E. 48, 52
North Cape, Norway: 71.10 N. 25.46 E. 1, 9, 15
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North Head, (Grand Manan Is.), New Brunswick, Canada:
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North Island, New Zealand 48, 52
North Keeling Is., Cocos Is., (Australia) 38
North Pagai, Indonesia: 2.45 S. 100.05 E. 38
North Pass, Mississippi Delta 66, 67
North Ronaldsay, U.K.: 59.18 N. 2.30 W. 5
North Sea 5, 7, 9, 10, 12
North Sea Canal, Netherlands 7
Max. Size: Northern Lock: LOA 325 m., beam 42 m.
North Shields, U.K.: 55.02 N. 1.27 W. 5
Max. Size: Draft 7.1 m. *Fuel:* All grades.
Dry Docks: 217.9 m. × 32 m., depth on sill 8.8 m. MHWS.
Airport: Newcastle. See also Tyne District.
North Sporades, Greece: 39.00 N. 24.00 E. 25, 26
North Star Bugt, Greenland, (Denmark): 76.36 N. 68.52 W. 17
Max. Size: Largest vessel to berth alongside quay was LOA 130 m., and draft 7 m. *Airport:* Two rescue helicopters stationed at this base.
North Sydney, Nova Scotia, Canada: 46.16 N. 60.13 W. 60
Max. Size: Depth alongside 7.0 m. – 7.6 m.
Fuel: Fuel and diesel available.
Dry Docks: Small vessels only, LOA 125 ft.
Airport: Sydney, connects with Halifax and Montreal.
North Uist, U.K.: 57.35 N. 7.17 W. 5
North West Cape, W.A., Australia: 21.47 S. 114.09 E. 49
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Norwich, U.K.: 52.38 N. 1.18 E. 5, 9
Norwich, Connecticut, U.S.A.: 41.32 N. 72.05 W. 63
Norwuz Terminal, see Ras Bahregan.
Nosok, U.S.S.R.: 70.08 N. 82.21 E. 16
Nossi-Be, Madagascar: 13.24 S. 48.16 E. 30
Notre Dame Bay, Newfoundland, Canada 60
Notre Dame de Koartac, see Koartac.
Nottingham Is., N.W. Territories, Canada: 63.10 N. 78.10 W. 59
Nouadhibou, Mauritania: 20.54 N. 17.03 W. 27
Max. Size: LOA 160 m., draft 16.15 m.
Fuel: Available in small quantities in emergency only.
Nouakchott, Mauritania: 18.02 N. 16.02 W. 27
Max. Size: Draft 10.3 m.
Noumea, New Caledonia: 22.16 S. 166.27 E. 48
Max. Size: Draft 10.30 m. Tankers: LOA 300 m., draft 14.80 m.
Fuel: Several grades available. *Airport:* International, 50 km.
Nouveau Comptoir, Quebec, Canada: 53.03 N. 78.55 W. 59
Nova Mambone, Mozambique: 21.00 S. 35.05 E. 30
Nova Scotia, Canada 60
Novaya Tarya, U.S.S.R.: 52.55 N. 158.31 E. 54
Novaya Zemlya, U.S.S.R. 16
Noveau, see Port Noveau.
Novigrad, Yugoslavia: 45.19 N. 13.33 E. 24
Novo, see Porto, Benin or India.
Novo Redondo, Angola: 11.11 S. 13.49 E. 29
Novorossiysk, U.S.S.R. 44.43 N. 37.47 E. 21, 26
(Including Sheskharis-Oil Harbour)
Max. Size: LOA 250 m., draft 11 m. for dry cargo vessel.
Tankers: 250,000 d.w.t., draft 19 m. *Fuel:* Most grades.
Dry Docks: 100,000 ton range. *Airport:* Krasnodar, 150 km.
Novvy Port, U.S.S.R.: 67.40 N. 72.54 E. 16
Nowy Port, Poland: 54.24 N. 18.40 E. 10
Noyelles, France: 50.12 N. 1.42 E. 7
Nueva Gerona, (Isla de Pinos), Cuba: 21.58 N. 82.56 W. 69
Max. Size: Draft 19 ft. *Fuel:* Not available.
Nueva Palmira, Uruguay: 33.53 S. 58.25 W. 75
Max. Size: Depth 24 ft. *Fuel:* Available via tanker trucks.
Airport: Zagarzazu, 15 km.
Nuevitas, Cuba: 21.33 N. 77.16 W. 69
(incl. Pastelillo: 21.32 N. 77.13 W. Tarafa: 21.34 N. 77.15 W. and Bufadero)
Max. Size: Pastelillo: Up to 575 ft. LOA, 33 ft. draft; up to 610 ft. LOA, 31 ft. draft. Puerto Tarafa: Draft 27 ft. Bufadero: LOA 600 ft., draft 25 ft. 6 in. *Fuel:* Regular fuel oil in Pastelillo.
Nuevo Berlin, Uruguay: 33.05 S. 58.05 W. 75
Nugget Point, New Zealand: 46.27 S. 169.52 E. 52
Nuijamaa, U.S.S.R.: 60.59 N. 28.31 E. 13
Max. Size: See Saimaa Canal.
Nuku' Alofa, (Tongatapu Is.), Tonga: 21.08 S. 175.12 W. 48
Max. Size: Draft 40 ft. *Fuel:* Light diesel fuel to reach Suva only. *Airport:* 14 miles, flights to Suva, New Zealand, Western Samoa and Hawaii.
Nuku Hiva, Marquesas, (French Polynesia) 48
Nukunau, Kiribati: 1.26 S. 176.25 E. 48
Nukunono Is., Tokelau Is., (New Zealand): 9.02 S. 171.42 W. 48
Nukoro Is., Caroline Is., Micronesia: 3.49 N. 155.00 E. 48
Numancia, Siargao Is., Philippines: 9.52 N. 125.58 E. 46
Nunivak Is., Alaska, U.S.A. 54
Nunukan, Indonesia: 4.05 N. 117.37 E. 38
Max. Size: Depth 3.5 m. *Fuel:* Not available.
Nuottasaari, see Oulu.
Nutapenman, U.S.S.R.: 65.30 N. 178.32 W. 54
Nuuk, Greenland, (Denmark): 64.10 N. 51.44 W. 17
Max. Size: Largest to berth: LOA 135 m., beam 17 m., draft 7 m. Tankers: To 30,000 d.w.t.
Fuel: Small quantities gas-oil available. *Airport:* Airstrip.
Ny Alesund, (Spitsbergen), Norway: 78.55 N. 11.56 E. 17

Nyborg, Denmark: 55.19 N. 10.49 E. 11
Max. Size: Draft 24 ft., LOA 400 ft. Tankers: Draft 32 ft., LOA 600 ft. *Fuel:* All grades. *Dry Docks:* 1,000 d.w.t. *Airport:* Beldringe, Odense.
Nyborg, Norway: 70.05 N. 28.30 E. 15
Nyda, U.S.S.R.: 66.38 N. 73.02 E. 16
Nyhamn, Finland: 62.10 N. 21.20 E. 15
Nyhamn, Sweden, see Gavle.
Nykarleby, Finland: 63.32 N. 22.28 E. 15
Nykobing, (Falster), Denmark: 54.46 N. 11.52 E. 10, 11
Max. Size: Draft 19 ft. 6 in., beam 25 m. *Fuel:* All grades. *Airport:* 2 hours by train Copenhagen.
Nykobing, (Mors), Denmark: 56.48 N. 8.52 E. 10, 11
Max. Size: LOA 105 m., beam 25 m., draft 4.3 m. (SW). *Fuel:* Available by truck. *Airports:* Thisted, 45 km. Karup, 70 km.
Nykobing, (Zealand), Denmark: 55.55 N. 11.41 E. 10, 11
Nykoping, Sweden: 58.45 N. 17.02 E. 10
Max. Size: Draft 5.5 m. *Fuel:* All grades. *Dry Docks:* None. *Airport:* Norrkoping – 80 km.
Nyland, see Botea.
Nymindegab, Denmark: 55.50 N. 8.10 E. 10
Nynashamn, Sweden: 58.55 N. 17.58 E. 10
Max. Size: LOA 300 m., depth 17 m. *Fuel:* All grades. *Airport:* Nearest is Stockholm.
Nystad, see Uusikaupinki.
Nysted, Denmark: 54.40 N. 11.44 E. 11
Nyvik, see Hovid.
Nyvrovo, U.S.S.R.: 54.18 N. 142.36 E. 42

NOTES, ADDITIONS, CORRECTIONS

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Oak Pt., see New Orleans.
Oakham Ness, see Medway, U.K.
Oakland, California, U.S.A.: 37.50 N. 122.18 W. . . 55, 56, 57, 58
Max. Size: Depths up to 42 ft. (MLLW).
Also see San Francisco.
Oakville, Ontario, Canada: 43.26 N. 79.40 W. 62
Oamaru, New Zealand: 45.05 S. 171.00 E. 52
Oaxen, Sweden: 58.58 N. 17.43 E. 10
Oban, New Zealand: 46.54 S. 168.06 E. 57
Oban, U.K.: 56.25 N. 5.28 W. 5
Obbia, Somalia: 5.23 N. 48.31 E. 31
Obbola, Sweden: 63.42 N. 20.20 E. 15
Max. Size: LOA 200 m., draft 9.7 m. (Channel limitation 9.2 m.). See also Holmsund, Umea.
Obi Major Is., Indonesia 45
Obidos, Brazil: 1.51 S. 55.35 W. 72
Max. Size: 7,000 d.w.t., depth 10 m.
Obligato, Argentina: 33.38 S. 59.48 W. 75
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Ocean City, Delaware, U.S.A.: 38.20 N. 75.05 W. 63, 65
Ocean City, New Jersey, U.S.A.: 39.18 N. 74.34 W. 63, 65
Ocean Falls, British Columbia, Canada: 52.21 N. 127.41 W. . . 56
Max. Size: LOA 600 ft., draft 30 ft.
Airport: Daily seaplane service to Vancouver.
Ocean Island, see Banaba.
Oceanside, California, U.S.A.: 33.13 N. 117.25 W. 57
Ochakov, U.S.S.R.: 46.36 N. 31.33 E. 26
Ochamchire, U.S.S.R.: 42.45 N. 41.25 E. 26
Ocho Rios, Jamaica: 18.25 N. 77.07 W. 69
Max. Size: LOA 850 ft., draft 35 ft. Cruise Ship: LOA 650 ft., draft 35 ft. *Fuel:* Bunker "C" and diesel fuel oil.
O'Connor, see Port O'Connor.
Oconto, Wisconsin, U.S.A.: 44.53 N. 87.51 W. 62
Odaejin, North Korea: 41.23 N. 129.47 E. 42
Odda, Norway: 60.05 N. 6.33 E. 9, 10
Odense, Denmark: 55.25 N. 10.23 E. 10, 11
Max. Size: Draft 7.0 m. (FW), 6,000 d.w.t., LOA 160 m. *Fuel:* All grades. *Dry Docks:* 500,000 d.w.t. at Lindoe. *Airport:* 9 km., connects Copenhagen.
Odessa, U.S.S.R.: 46.30 N. 30.46 E. 21, 26
Max. Size: Inner Harbour: LOA 240 m., beam 40 m., draft 12 m. *Fuel:* Supplied by barge. *Dry Docks:* Available. *Airport:* 10 miles.
Oeno I., Pitcairn Is., (U.K.): 23.56 S. 130.45 W. 48
Ofunato, Japan: 39.03 N. 141.44 E. 42
Max. Size: Tankers: 35,000 d.w.t., LOA 210 m., draft 9.0 m. Log and Coke Carriers: LOA 180 m., draft 8.0 m. *Fuel:* Bonded oil will be brought from Yokohama or Hakodate. *Dry Docks:* None. *Airport:* Hanamaki (Domestic), 97 km.
Oga, Japan: 39.59 N. 139.55 E. 42
Ogdensburg, New York, U.S.A.: 44.42 N. 75.30 W. . . . 55, 60, 61
Max. Size: Largest vessel to enter: LOA 730 ft., draft 27 ft. *Fuel:* One day's notice, all grades. *Airport:* 0.5 mile from city, connects with New York.
Ogidigbe, Nigeria: 50.31 N. 5.04 E. 28
Ogorode, see Sapele.
Oguendjo Terminal, Gabon: 1.27 S. 8.55 E. 29
Max. Size: 170,000 d.w.t., max. displacement 200,000 tons, draft 60 ft. *Fuel:* Not available.
Ohata, Japan: 41.30 N. 141.10 E. 42
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Amethyst: 58.38 N. 0.41 E.
Andrew: 58.02 N. 1.27 E.
Ann: 53.44 N. 2.06 E.
Argyll: 56.08 N. 2.46 E.
Auk: 56.26 N. 2.02 E.
Balder: 59.14 N. 2.26 E.
Beryl: 59.36 N. 1.28 E.
Brae: 58.47 N. 1.22 E.
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Brent: 61.04 N. 1.36 E.
Brisling: 58.09 N. 3.46 E.
Broken Bank: 53.20 N. 2.02 E.
Bruce: 59.44 N. 1.32 E.
Claymore: 58.26 N. 0.26 W.
Cod: 57.04 N. 2.26 E.

Cormorant: 61.05 N. 0.50 E.
Crawford: 59.07 N. 1.32 E.
Dan: 55.30 N. 5.10 E.
Deborah: 53.07 N. 1.54 E.
Dotty: 53.05 N. 1.47 E.
Dunlin: 61.23 N. 1.40 E.
East Frigg: 59.58 N. 2.19 E.
Edda: 56.28 N. 3.05 E.
Ekofisk: 56.32 N. 3.16 E.
Eldfisk: 56.24 N. 3.19 E.
Forties: 57.44 N. 0.56 E.
Frigg: 59.56 N. 2.06 E.
Heather: 60.57 N. 0.57 E.
Heimdal: 59.36 N. 2.18 E.
Hewett: 53.02 N. 1.44 E.
Hutton: 61.08 N. 2.18 E.
Indefatigable: 53.21 N. 2.32 E.
Josephine: 56.35 N. 2.31 E.
Kinsale: 51.20 N. 8.20 E.
Leman Bank: 53.01 N. 2.14 E.
Lomond: 57.18 N. 2.08 E.
Magnus: 61.43 N. 1.15 E.
Maureen: 58.06 N. 1.45 E.
Montrose: 57.26 N. 1.24 E.
Ninian: 60.52 N. 1.24 E.
Noordwinning: 53.12 N. 3.14 E.
North East Frigg: 59.59 N. 2.16 E.
Odin: 60.05 N. 2.08 E.
Piper: 58.29 N. 0.27 E.
Placid: 53.26 N. 4.17 E.
Rough: 53.50 N. 0.30 E.
Sean: 53.16 N. 2.51 E.
Statfjord: 61.15 N. 1.52 E.
Thistle: 61.25 N. 1.06 E.
Tor: 56.39 N. 3.19 E.
Viking: 53.30 N. 2.18 E.
West Ekofisk: 56.36 N. 3.05 E.
West Sole: 53.46 N. 1.08 E.

Oinousai Is., Greece: 38.31 N. 26.13 E. **25**

Oita, Japan: 33.17 N. 131.40 E. **44**
Max. Size: Tankers: Sea Berth: LOA 350 m., draft 25 m. Jetty: LOA 350 m., draft 19.5 m. *Fuel:* Bonded bunkers supplied by oil barges. *Dry Docks:* None. *Airport:* 56 km.

Oka, Indonesia: 8.03 S. 139.42 E. **45**

Okaba, Quebec, Canada: 45.30 N. 74.05 W. **61**

Okanda, Sri Lanka: 6.40 N. 81.50 E. **37**

Okarito, New Zealand: 43.16 S. 170.09 E. **52**

Okawa, Japan: 33.12 N. 130.22 E. **44**

Okayama, Japan: 34.39 N. 133.54 E. **44**

Okha, India: 22.28 N. 69.05 E. **37**
Max. Size: LOA 525 ft. during N.E. monsoon and LOA 540 ft. during S.W. monsoon. Draft 22 ft. – 27 ft. *Fuel:* Available. *Dry Docks:* None. *Airport:* Jamnagar, 110 miles.

Okha, U.S.S.R.: 53.34 N. 143.00 E. **42**

Okhotsk, U.S.S.R.: 59.21 N. 143.11 E. **42**

Oki Is., Japan: 36.15 N. 133.15 E. **42**

Okimura, see Haha.

Okinawa Is., Japan **41, 45**

Okino Is., Japan: 32.44 N. 132.33 E. **44**

Okino Is., Daito Is., Japan: 24.28 N. 131.11 E. **45**

Okpo, South Korea: 34.54 N. 128.45 E. **44**

Okrika, Nigeria: 4.44 N. 7.05 E. **28**
Max. Size: Sailing draft reported as 31 ft. 9 in. See also Port Harcourt.

Oksfjord, Norway: 70.14 N. 22.22 E. **15**

Oktyabrskiy, U.S.S.R.: 50.44 N. 142.06 E. **54**

Oku, Japan: 26.35 N. 127.50 E. **41**

Okubo, see Moji.

Okushiri Is., Japan: 42.15 N. 139.30 E. **42**

Ola, U.S.S.R.: 59.35 N. 151.16 W. **42**

Olafsfjordur, see Siglufjord.

Olafsvik, Iceland: 64.54 N. 23.34 W. **17**

Oland, Sweden **9, 10**

Olbia, (Sardinia), Italy: 40.55 N. 9.31 E. **21, 24**
Max. Size: Inner Port: Draft 20 ft.
Fuel: Available only by tank truck. *Airport:* 3 km.

Olcott, New York, U.S.A.: 43.20 N. 78.43 W. **62**

Old Harbour, Alaska, U.S.A.: 57.05 N. 153.30 W. **54**

Old Kilpatrick, see Glasgow.

Oldenburg, Germany: 53.07 N. 8.12 E. **8, 10**

Oldenbuttel, see Brieholz.

Olga, U.S.S.R.: 43.44 N. 135.17 E. **42**

Olga Strait **17**

Olhao, Portugal: 37.03 N. 7.50 W. **22**

Olimarao, Caroline Is., Micronesia: 7.41 N. 145.52 E. . . . **45, 46**

Olimbos, Greece: 35.45 N. 27.10 E. **25, 26**

Oljysatama, see Turku.

Olongapo, Philippines: 13.49 N. 120.16 E. **45, 46**
Dry Docks: 350 m. × 65 m. × 12.5 m., 300,000 d.w.t.

Olympia, Washington, U.S.A.: 47.00 N. 122.53 W. **55, 56**
Max. Size: Turning Basin: LOA 800 ft., draft 30 ft. (MLW). Berth: Depth 40 ft. *Fuel:* Most grades from Seattle. *Dry Docks:* Nearest Seattle (60 miles). *Airport:* Local airport, connects with Seattle.

Olyutorskiy, U.S.S.R.: 60.12 N. 169.52 E. **54**

Omaezaki, Japan: 34.36 N. 138.13 E. **42**
Max. Size: 5,000 d.w.t., LOA 110 m., draft 6.8 m.
Fuel: Bonded oil from Yokohama.

OMAN, SULTANATE OF **31, 35**

Ominato, Japan: 41.15 N. 141.10 E. **42**

Omis, Yugoslavia: 43.27 N. 16.42 E. **24**

Omisalj, (Krk Is.), Yugoslavia: 45.13 N. 14.32 E. **24**
Max. Size: Draft 27 m., 350,000 d.w.t. *Fuel:* All grades by barge.

Omishima, Inokuchi Port, Japan: 34.16 N. 133.00 E. **44**
Max. Size: Tankers 7,000 d.w.t. *Fuel:* All grades of bonded bunkers will be lightered from the nearest bunker stock ports. *Airport:* Matsuyama and Takamatsu.

Omura, see Chichi.

Omuta, Japan: 33.02 N. 130.26 E. **44**

Onada, Japan: 34.00 N. 131.11 E. **44**

Onagawa, Japan: 38.27 N. 141.27 E. **42**

Onahama, Japan: 36.56 N. 140.55 E. **42**
Max. Size: Tankers: Sea Berth 80,000 d.w.t., draft 13.50 m. Other Vessels: Draft 9.75 m. *Fuel:* Bonded oil will be brought from Yokohama *Dry Docks:* None.

Ondarrao, Spain: 43.20 N. 2.25 W. **19**

One and a Half Degree Channel, Maldive Islands **37**

Onega, U.S.S.R.: 63.54 N. 38.06 E. **16**
Max. Size: Draft is usually announced at the beginning of the navigation season (5.1 m. – 6.4 m.), LOA 124 m.
Fuel: Availability not guaranteed. *Airport:* Archangel.

Onehunga, New Zealand: 36.56 S. 174.47 E. **52**
Max. Size: LOA 95 m., draft 4.7 m. *Fuel:* Available.
Dry Docks: None. *Airport:* Auckland, 8 km.

Onekotan Is., Kurile Islands, U.S.S.R. **42**

Onich, U.K.: 56.41 N. 5.14 W. **5**

Onitsha, Nigeria: 6.05 N. 6.45 E. **28**

Onne, see Bonny.

Ono-i-lau, Fiji: 20.40 S. 178.30 W. **48**

Onomichi, (incl. Mukaishima), Japan: 34.24 N. 133.12 E. **44**
Max. Size: Draft 5 m. *Fuel:* Bonded oil will be brought from Kobe,Kanokawa, Hirohata or Moji. *Dry Docks:* Mukaishima – largest 25,000 d.w.t., 175 m.×29 m.×9 m. *Airport:* Tokyo.

Onon Is., see Namonuito.

Onsala, Sweden: 57.25 N. 12.00 E. **10, 11**

Onset, Massachusetts, U.S.A.: 41.45 N. 70.40 W. **64**

Onslow, W.A., Australia: 21.40 S. 115.08 E. **49**

Onslow Bay, North Carolina, U.S.A. **63**

Ontario, Canada **59, 60, 61, 62**

Onton, see Castro Urdiales.

Ontonagon, Michigan, U.S.A.: 46.53 N. 89.19 W. **62**

Oosterhout, Netherlands: 51.38 N. 4.51 E. **7**

Opatija, Yugoslavia: 45.20 N. 14.18 E. **24**

Opobo, Nigeria: 4.35 N. 7.32 E. **28**

Oporto, Portugal: 41.09 N. 8.37 W. **20**
Max. Size: Douro River: Draft 18 ft. – 19 ft. (HWST).
Fuel: See Leixoes. *Airport:* 17 km., connects with Lisbon.

Opotiki, New Zealand: 38.00 S. 177.20 E. **52**

Opua, New Zealand: 35.19 S. 174.07 E. **52**
Max. Size: Draft 8.53 m. *Fuel:* By road only.
Airport: At Whangarei.

Opunake, New Zealand: 39.27 S. 173.51 E. **52**

Oran, Algeria: 35.43 N. 0.39 W. **21, 22**
Max. Size: LOA 800 ft., draft 38 ft. *Fuel:* All grades.
Airport: La Senia, 7 km.

Orange, Texas, U.S.A.: 30.06 N. 93.44 W. **55, 66**
Max. Size: Draft 30 ft. *Fuel:* All grades.
Dry Docks: 388 ft. × 142 ft., 10,000 tons, 10 ft. 6 in. draft over blocks. *Airport:* 30 miles.

Oranjemund, Namibia: 28.34 S. 16.28 E. **29**

Oranjestad, (Aruba), Netherlands Antilles:
12.31 N. 70.02 W. **69, 73**
Max. Size: Safe salt water draft is 33 ft. *Fuel:* All grades.
Airport: 5 miles.

Orca, Alaska, U.S.A.: 60.35 N. 143.45 E. **54**

Orcas, Washington, U.S.A.: 48.36 N. 122.56 W. **56**

Orchard, see Port Orchard.

Ordaz, see Puerto Ordaz, Venezuela or Punta Cuchillo.

Ordu, Turkey: 41.00 N. 37.53 E. **26**

Orebro, Sweden: 59.18 N. 15.12 E. **10**

Oregon, U.S.A. **56, 57**

Oregrund, Sweden: 60.21 N. 18.28 E. **10**

Orehoved, Demark 54.57 N. 11.51 E. **10, 11**
Max. Size: LOA 150 m., draft 6.5 m.

Orepuki, New Zealand: 46.20 S. 167.45 E. 52
Orinoco River/Delta, Venezuela 69, 72, 74
Max. Size: Draft about 44 ft.
Oristano, (Sardinia), Italy: 39.45 N. 8.30 E. 24
Max. Size: Martini Silo Quay: Draft 8.5 m.
Airport: 1 hour's drive.
Orkanger, Norway: 63.17 N. 9.53 E. 15
Orkney Isles, U.K. 5
Ormara, Pakistan: 25.15 N. 64.35 E. 31
Ormoc, Leyte, Philippines: 11.00 N. 124.36 E. 46
Orno Is., Sweden: 59.03 N. 18.26 E. 10
Ornskoldsvik, Sweden: 63.17 N. 18.43 E. 9, 15
Max. Size: LOA 700 ft., beam 100 ft., draft 34 ft.
Tankers: LOA 200 m., draft 10 m., 40,000 d.w.t.
Fuel: Gas oil, light fuel, heavy fuel. *Dry Docks:* None.
Airport: 10 miles.
Oro Bay, Papua New Guinea: 8.54 S. 148.29 E. 45
(incl. Port Harvey: 8.54 S. 148.31 E.)
Max. Size: Depth at ISLW 11.4 m. *Fuel:* Diesel by road.
Airport: Popondetta, 40 km.
Oron, Nigeria: 4.50 N. 8.14 E. 28
Oronsay Is., U.K.: 56.01 N. 6.14 W. 5
Oropos, Greece: 38.19 N. 23.48 E. 25
Orrington, see Bangor, Maine, U.S.A.
Orrskar, see Soderhamn.
Orth, Germany: 54.27 N. 11.03 E. 10, 11
Ortigueira, Spain: 43.40 N. 7.51 W. 20
Ortona, Italy: 42.20 N. 14.25 E. 24
Ortviken, Sweden: 62.24 N. 17.22 E. 15
Max. Size: Draft 10.8 m., LOA 200 m. See also Sundsvall.
Orup Is, Kurile Islands, U.S.S.R. 42
Orust Is., Sweden: 58.10 N. 11.40 E. 9, 10
Orviken, Sweden: 64.40 N. 21.12 E. 15
Max. Size: See Skelleftehamn.
Osaka, Japan: 34.39 N. 135.26 E. 42, 43, 44
Max. Size: Depth 5.5 m. – 12 m. Tankers: LOA 250 m., draft 11.6 m. *Fuel:* All grades of bonded bunkers will be lightered from the nearest bunker stock ports.
Dry Docks: Largest – 355 m. × 62.7 m. × 11 m. depth.
Airport: 25 km.
Oscoda, Michigan, U.S.A.: 44.25 N. 83.20 W. 62
Oshawa, Ontario, Canada: 43.52 N. 78.50 W. 60, 62
Max. Size: Depth 22 ft. – 25.6 ft. *Fuel:* Available.
Dry Docks: Hub Transportation Services Ltd.
Airport: Toronto, 45 miles.
Oshima, Japan: 34.45 N. 139.22 E. 42, 45
Oshkosh, Wisconsin, U.S.A.: 44.02 N. 88.33 W. 62
Oshmarino Point, U.S.S.R.: 71.43 N. 83.00 E. 16
Oskarshamn, Sweden: 57.15 N. 16.27 E. 9, 10
Max. Size: Draft 34 ft. 6 in. Tankers: Depth 12 m.
Fuel: Available. *Dry Docks:* Length 427 ft., capacity 30,000 d.w.t. *Airport:* 3 km.
Oslo, Norway: 59.54 N. 10.43 E. 1, 8, 9, 10
Max. Size: Draft 34 ft. Tankers: Draft 36 ft. – 38 ft.
Fuel: All grades. *Airport:* 8 km.
Oslo Fjord 9, 10
Osmusaar, U.S.S.R.: 59.18 N. 23.23 E. 10
Osor, Yugoslavia: 44.42 N. 14.24 E. 24
Ossora, U.S.S.R.: 59.20 N. 163.15 E. 54
Ostend, Belgium: 51.14 N. 2.55 E. 7
Max. Size: Entrance of lock to Commercial Docks: Length 124 m., beam 57 ft. 6 in., draft 24 ft. *Fuel:* All grades.
Dry Docks: Floating dry dock of 5,700 tons. *Airport:* 3 miles.
Osterby, Denmark: 57.19 N. 11.08 E. 11
Ostermoor, Germany: 53.55 N. 9.11 E. 12
Ostero, Faeroe Is., (Denmark) 5
Osthammar, Sweden: 60.16 N. 18.23 E. 10
Ostia, Italy: 41.43 N. 12.17 E. 24
Ostrand, see Vivtavarv.
Ostrica, Louisiana, U.S.A.: 29.22 N. 89.32 W. 55, 66, 67
Max. Size: Depth 45 ft. *Fuel:* Bunker "C".
Osumi Is., Japan 41, 45
Osumi Strait, Japan 44
Oswego, New York, U.S.A.: 43.28 N. 76.30 W. 55, 60, 62
Max. Size: Depths to 25 ft. (LW). *Fuel:* Available.
Otago Harbour, see Dunedin and Port Chalmers.
Otaru, Japan: 43.12 N. 141.01 E. 42
Max. Size: Depths to 12 m. Tankers: Draft 7.2 m.
Fuel: All grades of bonded bunkers lightered from nearest stock ports. *Dry Docks:* None. *Airport:* 80 km.
Otranto, Italy: 40.09 N. 18.30 E. 24
Otsu, Japan: 42.36 N. 143.38 E. 42
Ottawa, Ontario, Canada: 45.26 N. 75.42 W. 60, 61
Ottawa Is., N.W. Territories, Canada 59
Ottenby, Sweden: 56.15 N. 16.25 E. 10
Otterbacken, Sweden: 58.57 N. 14.02 E. 10
Max. Size: All ships able to pass through the Trollhatte Canal with draft of 16.9 ft. at MLW. *Fuel:* Available.
Airport: Karlstad, 90 km.
Otterham, see Medway.
Otu Tolu, see Nomuka.
Ouddorp, Netherlands: 51.49 N. 3.57 E. 7
Ouidah, Benin: 6.20 N. 2.02 E. 27, 28
Ouistreham, France: 49.17 N. 0.15 W. 7
Oulu, Finland: 65.00 N. 25.25 E. 9, 15
(Incl. Toppila: 65.02 N. 25.26 E., Nuottasaari: 65.00 N. 25.26 E. and Oritkari: 65.00 N. 25.29 E.)
Max. Size: Vihreasaari Harbour, Oil Quay: Depth 10 m.
Bulk Quay: Depth 10 m. Toppila: Depth 6.1 m.
Oritkari: 10 m. Nuottasaari: Depth 6.4 m. *Fuel:* Small quantities of all grades.
Dry Docks: One small slipway. *Airport:* 15 km.
Ouvea, see Wadrilla.
Ouzinkie, Alaska, U.S.A.: 57.55 N. 152.30 W. 54
Ovacik, Turkey: 36.10 N. 33.42 E. 26
Ovendo, Gabon: 00.17 N. 9.30 E. 28
Max. Size: Draft 12.5 m. *Fuel:* Not available.
Dry Docks: None. *Airport:* 12 miles.
Owase, Japan: 34.04 N. 136.15 E. 42
Max. Size: Sea Berth: LOA 350 m., draft 19 m., 250,000 d.w.t.
Fuel: Bonded oil will be brought from Nagoya, Yokohama, Chiba or Kobe.
Owen Sound, Ontario, Canada: 44.35 N. 80.55 W. 60, 62
Oxelosund, Sweden: 58.40 N. 17.08 E. 10
Max. Size: Depth at quay 45 ft. Coal/Ore Berth: Draft 50 ft., 130,000 d.w.t. Tankers: Depth 45 ft., 95,000 d.w.t.
Fuel: Not available. *Dry Docks:* None.
Airport: Stockholm, 133 miles.
Oxhaga, see Stilleryd.
Oxnard, see Hueneme.
Oya, Sarawak, Malaysia: 2.58 N. 111.56 E. 38
Ozamis, Mindanao, Philippines: 8.08 N. 123.51 E. 45, 46
Ozernaya, U.S.S.R.: 51.30 N. 156.30 E. 54
Ozol, see San Francisco.

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P

Paagoumene, see Babouillat.

Paamiut, Greenland, (Denmark): 61.59 N. 49.40 W. **17, 59**
Max. Size: LOA 100 m., draft about 6 m.
Fuel: Gas oil and diesel oil available. *Airport:* Heliport.

Paarden Bay, see Oranjestad.

Pabna, Bangladesh: 24.00 N. 89.20 E. **38**

Pacasmayo, Peru: 7.24 S. 79.35 W. **72**
Max. Size: Anchorage port: Recommended draft 24 ft., but 36 ft. possible *Fuel:* Not available. *Dry Docks:* At Callao. *Airport:* 2 km. (Emergency only.)

Pachi, Greece: 37.58 N. 23.23 E. **23, 25**
Max. Size: 600,000 d.w.t., draft 29 m. *Fuel:* Not available. *Dry Docks:* See Eleusis. *Airport:* Athens.

Padang, Indonesia, see Teluk Bayur.

Padloping Is., N.W.Territories, Canada: 67.00 N. 62.50 W. **17, 59**

Padre, see Puerto Padre.

Padre Is., Texas, U.S.A. **66, 69**

Padstow, U.K.: 50.35 N. 4.55 W. **5**
Max. Size: Draft 18 ft. (Spring), LOA 350 ft.
Fuel: Marine gas oil. *Dry Docks:* One, 70 ft. × 32 ft. × 12 ft.

Pag, Yugoslavia: 44.27 N. 15.03 E. **24**

Pagadian, Mindanao, Philippines: 7.50 N. 123.26 E. **46**

Pagan Is., Northern Mariana Is.: 18.08 N. 145.47 E. **45**

Pagalu, Equatorial Guinea: 1.23 S. 5.36 E. **29**

Pago Pago, American Samoa: 14.17 S. 170.41 W. **48**
Max. Size: Largest vessel: 43,000 g.r.t., draft 11.4 m.
Tankers: LOA 195 m., draft 10 m. *Fuel:* Available.
Airport: 11 km.

Pahang, Malaysia: 3.32 N. 103.27 E. **38**

Paimboeuf, France: 47.17 N. 2.02 W. **19**

Paimpol, France: 48.45 N. 3.05 W. **19**

Paita, Peru: 5.05 S. 81.07 W. **72**
Max. Size: Draft 31 ft. (LW). *Fuel:* Not available.
Airport: Piura 55 km., connects with Lima.

Pajaritos, see Coatzacoalcos.

Pakanbaru, Indonesia: 0.32 N. 101.16 E. **38**

PAKISTAN **31, 37**

Palacois, Texas, U.S.A.: 28.42 N 96.13 W. **66**

Palairos, Greece: 38.46 N. 20.52 E. **24, 25**

Palamos, Spain: 41.50 N. 3.08 E. **22**
Max. Size: Depth 14 m. *Fuel:* Can be supplied.
Airport: Gerona, 40 km.

Palana, U.S.S.R.: 59.12 N. 160.08 E. **54**

Palanan, Luzon, Philippines: 17.07 N. 122.28 E. **45, 46**

Palanca Terminal, Angola: 6.57 S. 12.24 E. **29**
Max. Size: Depth 42 m. *Fuel:* Not available. *Airport:* Luanda.

Palanga, U.S.S.R.: 55.55 N. 21.03 E. **10**

Palau Is., see Malakal.

PALAU, REPUBLIC OF **45**

Palawan Island, Philippines **38, 45, 46**

Paldiski, U.S.S.R.: 59.21 N. 24.03 E. **10**

Paleleh, Indonesia: 1.08 N. 121.48 E. **45**

Palembang, Indonesia: 2.59 S. 104.45 E. **38**
Max. Size: LOA 185 m., draft 7.5 m. *Fuel:* Available.
Airport: Talang Betutu, 12 km.

Palenque (SBM), Dominican Republic: 18.12 N. 70.11 W. **69**
Max. Size: Up to 260 m. LOA with draft 14.6 m.
Fuel: Not available.

Palermo (Sicily), Italy: 38.07 N. 13.20 E. **21, 24**
Max. Size: Draft to 44 ft. Tankers: Up to 15 m. draft.
Fuel: Fuel oil, gas oil and marine diesel available.
Dry Docks: Largest has length 370 m., breadth 68 m. for vessels up to 400,000 d.w.t. *Airport:* Punta Raisi, 30 km.

Palk Strait, India/Sri Lanka **37**

Palli, see Saimaa Canal.

Palm Beach, Florida, U.S.A.: 26.46 N. 80.03 W. **55, 66, 69**
Max. Size: Up to 620 ft. LOA with draft of 33 ft.
Tankers: Up to 18,000 g.r.t. *Fuel:* Available.
Dry Docks: None. *Airport:* Miami.

Palma Is., Canary Islands, (Spain) **27**

Palma, Majorca, Spain: 39.34 N. 2.38 E. **21, 22**
Max. Size: LOA 294 m., draft 14.56 m. *Fuel:* Available.
Airport: Palma, 14 km.

Palmeira Bay, Sal Is., Cape Verde: 16.45 N. 22.59 W. **27**
Max. Size: Depth 2 m. – 4 m. Tankers: Depth 46 ft.
Fuel: None, nearest at St. Vincent (Porto Grande).

Palmer, Alaska, U.S.A.: 61.33 N. 149.07 W. **54**

Palmi, Italy: 38.20 N. 15.50 E. **24**

Palmyra Is., Kiribati: 5.52 N. 162.06 W. **48**

Palnackie, U.K.: 54.53 N. 3.50 W. **5**

Palo Alto, see Jucaro.

Palourion, Greece: 39.58 N. 23.40 E. **25**

Palu, Indonesia: 0.53 S. 119.51 E. **45**

Palua, Venezuela: 8.21 N. 62.41 W. **69, 74**
Max. Size: 100,000 d.w.t., LOA 274 m. beam 33.53 m.
Fuel: All grades by barge.

Paluan, Mindoro, Philippines: 13.26 N. 120.29 E. **46**

Palupandan, see Iloilo.

Pamangkat, Indonesia: 1.05 N. 108.56 E. **38**

Pamatacualito, see Pertigalete.

Pamfyllon, see Mitylene.

Pamlico Sound, North Carolina, U.S.A. **63**

Pampatar, Venezuela: 11.00 N. 63.48 W. **74**

Pampushamnen, see Norrkoping.

PANAMA **69, 70, 72**

Panama Canal, Panama: **53, 68, 69, 70, 72**
Max. Size: LOA 950 ft., beam up to 107 ft., draft up to 39 ft. 6 in. TFW (dependent on height of Gatun Lake and other limitations). Average transit time 10-12 hours.
Fuel: Bunker C, diesel, light fuel and light diesel available.
Dry Docks: Balboa: Length 1,044 ft.
Airport: 18 miles from Balboa; 48 miles from Cristobal.

Panama City, Panama: 8.57 N. 79.32 W. **69, 70, 72**

Panama City, Florida, U.S.A.: 30.10 N. 85.40 W. **55, 66**
Max. Size: Depths to 32 ft. *Fuel:* Limited diesel oil.
Airport: 4 miles.

Panambur, see New Mangalore.

Panarea Is., Italy: 38.36 N. 15.03 E. **24**

Panarukan, Indonesia: 7.42 S. 113.56 E. **38**
Max. Size: Anchorage: Draft up to 15 m. *Fuel:* No facilities.

Panay Is., Philippines **45, 46**

Panban, India: 9.17 N. 79.13 E. **37**

Pandan, Panay, Philippines: 11.43 N. 122.08 E. **45, 46**

Pangai, Tonga: 19.48 S.174.21 W. **48**
Max. Size: Unlimited (Anchorage port).

Pangani, Tanzania: 5.25 S. 38.58 E. **30**

Pangkalan Susu, Indonesia: 4.07 N. 98.12 E. **38, 39**
(incl. SBM: 4.13 N. 98.24 E.)
Max. Size: Wharf: LOA 95 m., depth 6 m.
Tankers: SBM: 100,000 d.w.t., LOA 275 m., depth 22 m.
Fuel: Not available.

Pangkalanberandan, see Pangkalan Susu.

Pangkalanbun, Indonesia: 2.41 S. 111.37 E. **45**

Pangkalbalam, Indonesia: 2.06 S. 106.08 E. **38**
Max. Size: LOA 140 m., beam 30 m., 8 ft. draft alongside.
Fuel: Not available. *Dry Docks:* None. *Airport:* 14 km.

Pangnirtung, N.W. Territories, Canada: 66.09 N. 65.45 W. . . . **59**

Panjang, Indonesia: 5.28 S. 105.19 E. **38**
Max. Size: Draft 9.5 m. Tankers: Tarahan Terminal; LOA 179 m., beam 27 m., draft 8.0 m. *Fuel:* Not available.
Dry Docks: None. *Airport:* Branti, 34 km.

Panjim, India: 15.28 N. 73.48 E. **37**

Pantalan of Assesa, see Tarragona.

Pantellaria Is., Italy: 36.50 N. 11.57 E. **24**

Pantoloan, Indonesia: 0.40 S. 119.50 E. **45**

Paola, Italy: 39.20 N. 16.03 E. **24**

Papa Westray Is., U.K.: 59.27 N. 2.53 W. **5**

Papeete, Society Islands, (French Polynesia):
17.33 S. 149.34 W. **48**
Max. Size: LOA 250 m., beam 32 m., draft 10.30 m.
The Q.E.2, LOA 294 m. has docked.
Tankers: Draft 33 ft. *Fuel:* Available.
Dry Docks: Vessels up to 3,800 tons.
Airport: Tahiti – Faaa, 6 km.

Papenburg, Germany: 53.06 N. 7.23 E. **8, 10**
Max. Size: Draft 5.5 m. *Fuel:* Available.
Dry Docks: 250 m. × 36 m.

Paphos, Cyprus: 34.45 N. 32.25 E. **26**

Papineauville, Quebec, Canada: 45.37 N. 75.02 W. **61**

PAPUA NEW GUINEA **45, 48, 49**

Par, U.K.: 50.21 N. 4.42 W. **5**
(incl. Charlestown: 50.20 N. 4.45 W.)

Para, see Belem.

Paracale, Luzon, Philippines: 14.10 N. 122.50 E. **46**

Paracel Is., China **38**

Paradero, see Palua, Venezuela.

Paradip, India: 20.14 N. 86.42 E. **37**
Max. Size: LOA 260 m. (larger subject to weather) and draft 11.9 m. (12.8 m. for ore carriers in fair weather).
Fuel: Only by advance arrangement.
Dry Docks: 500 ton slipway. *Airport:* Bhubaneswar, 120 km.

Parainen, Finland: 60.18 N. 22.18 E. **10**

Paraiso, Panama: 9.02 N. 79.38 W. **70**

Paralion Astrous, Greece: 37.25 N. 22.46 E. **25**

Paramaribo, Suriname: 5.59 N. 55.09 W. **69, 72**
Max. Size: Bar depth 15 ft., tidal rise between 6 ft. 7 in. and 8 ft. 10 in. Draft limit is 22 ft. – 23 ft. *Fuel:* Available in limited quantities. *Dry Docks:* Capacities 400 tons – 650 tons.
Airport: Zanderij, 46 km.

Paramashiru Is., U.S.S.R.: 50.20 N. 155.45 E. **54**

Paramonga, Peru: 10.42 S. 77.48 N. **72**
Max. Size: Depth 36 ft.

Parana, Argentina: 31.43 S. 60.30 W. **75**

Paranagua, Brazil: 25.30 S. 48.30 W. **72**
Max. Size: Depths to 37 ft. (HW). Tankers: Draft to 31 ft.
Fuel: Available. *Dry Docks:* None. *Airport:* Curitiba, 80 km.

Paranam, Suriname: 5.38 N. 55.05 W. **69, 72**
Max. Size: Up to 45,000 d.w.t. load to outer bar draft (see Paramaribo). LOA 700 ft. Depths alongside: 25 ft. – 30 ft. *Fuel:* Small quantities of light diesel No. 2 only in emergency. *Airport:* Zanderij, 30 km.
Parang, see Polloc.
Parapola Is., Greece: 36.54 N. 23.28 E. **25**
Parepare, Indonesia: 4.01 S. 119.37 E. **38, 45**
Parga, Greece: 39.13 N. 20.24 E. **24, 25**
Pargas, Finland: 60.18 N. 22.18 E. **10**
Max. Size: Depth 6.70 m. *Fuel:* No local supply. If needed, by truck from Abo. *Dry Docks:* At Turku. *Airport:* Abo, 25 km.
Parida Is., Panama: 8.07 N. 82.22 W. **69**
Parintins, Brazil: 2.41 S. 56.49 W. **72**
Paris, France: 48.51 N. 2.20 E. **7**
Max. Size: LOA 120 m., beam 15.5 m., draft 3.5 m. up to Paris, draft 2.8 beyond. *Fuel:* Available. *Airports:* Charles de Gaulle.
Parkeston Quay, see Harwich.
Parnaiba, Brazil: 2.54 S. 41.47 W. **72**
Parnu, U.S.S.R.: 58.23 N. 24.30 E. **10**
Paros, Paros Is., Greece: 37.05 N. 25.09 E. **25**
Parrsboro, Nova Scotia, Canada: 45.24 N. 64.20 W. **60**
Parry Sound, Ontario, Canada: 45.20 N. 80.01 W. **60, 62**
Partington, see Barton.
Pasadena, Texas, U.S.A.: 29.43 N. 95.13 W. **66**
See Houston.
Pasajes, Spain: 43.20 N. 1.56 W. **19, 21**
Max. Size: LOA 185 m. and draft 29 ft. *Fuel:* Available. *Dry Docks:* Largest floating dock: 76.5 m. long, 23.25 m. wide, and 10.4 m. depth of water. *Airport:* 15 km., connects with Madrid.
Pascagoula, Mississippi, U.S.A.: 30.21 N. 88.34 W. **66**
Max. Size: LOA approx. 900 ft., draft 38 ft. at MLW. *Fuel:* All grades. *Dry Docks:* 38,000 ton capacity. *Airport:* 35 miles.
Pasir Gudang, Malaya, Malaysia: 1.26 N. 103.54 E. **38**
Max. Size: Depth 12.2 m. Tankers: Depth 10.2 m. *Dry Docks:* Length 395 m. width 80 m. depth 14 m., 400,000 d.w.t. *Fuel:* All grades. *Airports:* Singapore or Kuala Lumpur.
Pasir Panjang, see Singapore.
Paskallavik, Sweden: 57.10 N. 16.30 E. **10**
Pasni, Pakistan: 25.15 N. 63.25 E. **31**
Paso, China: 19.09 N. 108.37 E. **38**
Paspebiac, Quebec, Canada: 48.02 N. 65.15 W. **60**
Max. Size: Depth 22 ft. *Fuel:* Available.
Passaic River, New Jersey, U.S.A. **63**
Passage West, see Cobh.
Pastelillo, see Nuevitas.
Pasuo, see Paso.
Pasuruan, Indonesia: 7.38 S. 112.54 E. **38**
Pataholm, Sweden: 56.55. 16.27 E. **10**
Patani, Indonesia: 0.17 N. 128.46 E. **38**
Patchogue, New York, U.S.A.: 40.45 N. 73.01 W. **63**
Patea, New Zealand: 39.46 S. 174.30 E. **52**
Pateniemi, Finland: 65.06 N. 25.23 E. **15**
Max. Size: LOA 100 m., Draft 6.0 m. *Fuel:* Small quantities of all grades. *Airport:* Oulu, 15 km.
Patillos Cove, Chile: 20.45 S. 70.12 W. **72**
Max. Size: LOA 200 m., draft 12 m. *Fuel:* Not available. *Airport:* North of Iquique.
Patmos Is., Greece: 37.18 N. 26.35 E. **25**
Patna, India: 25.35 N. 85.20 E. **37**
Patras, Greece: 38.14 N. 21.45 E. **21, 24, 25**
Max. Size: Less than 34 ft. draft. Tankers (Rio): Draft 18 ft. and 2,500 tons. *Fuel:* Deliveries by tank trucks at Patras. Available at Texaco-Restis Berth at Rio. *Airport:* None.
Patreksfjordur, Iceland: 65.35 N. 23.59 W. **17**
Max. Size: Depth 18 ft. – 19 ft. *Fuel:* Available. *Airport:* 26 km.
Pattani, Thailand: 6.53 N. 101.16 E. **38**
Pauillac, France: 45.12 N. 00.45 W. **8, 19**
Max. Size: Tankers up to 32 ft. (9.75 m.) draft, LOA 240 m. Also see Bordeaux.
Pauline, see Gramercy.
Paulsboro, Pennsylvania, U.S.A.: 39.51 N. 75.15 W **63, 65**
Max. Size: Depth to 40 ft. See also Philadelphia.
Pavilosta, U.S.S.R.: 56.55 N. 21.10 E. **10**
Pavitt Point, see Sandakan.
Payardi, see Bahia Las Minas.
Paysandu, Uruguay: 32.18 S. 58.06 W. **75**
Max. Size: Draft 15 ft. (FW). *Fuel:* Available.
Paxos Is., Greece: 39.14 N. 20.12 E. **25**
Peanut Is., see Palm Beach.
Pearl & Hermes Reef, Hawaii, U.S.A.: 27.50 N. 175.58 W. **48**
Pearl Harbour, see Honolulu.
Peathoura Is., Greece: 39,30 N. 24.11 E **25**
Pebane, Mozambique: 17.10 S. 38.05 E. **30**
Pechenga, U.S.S.R.: 69.30 N. 31.23 E. **16**
Pedasi, Panama: 7.45 N. 80.05 W. **69**
Pedernales, Venezuela: 9.58 N. 62.15 W. **69, 72, 74, 75**
Pedregal, Panama: 8.23 N. 82.26 W. **69**
Max. Size: Draft 15 ft. *Fuel:* Road tankers. *Airport:* David, 5 km.
Pedro Miguel Lock, Panama Canal: 9.01 N. 79.37 W. **70**
Peekskill, New York, U.S.A.: 41.16 N. 73.56 W. **63**
Peel, U.K.: 54.14 N. 4.40 W. **5**
Max. Size: LOA 350 ft., draft 14 ft. (LWOST).
Peenemunde, Germany: 54.10 N. 13.55 E. **10**
Pegasus, see Port Pegasus.
Pegasus Bay, New Zealand **52**
Pei Chieh, see Jiangmen.
Pei Hai, China: 21.30 N. 109.05 E. **38**
Pekalongan, Indonesia: 6.51 S. 109.42 E. **38**
Pekan, Malaysia: 3.30 N. 103.25 E. **38, 39**
Pelabuhan Dutuk, see Kuching.
Pelabuhan Kerang, see Port Kerang.
Pelabuhanratu, Indonesia: 7.00 S. 106.32 E. **38**
Pelagie Is., Italy **24**
Pelagos Is., Greece: 39.17 N. 24.05 E. **25**
Pelee Is., Ontario, Canada: 41.49 N., 82.40 W. **62**
Peleng Is., Indonesia **45**
Pelican, Alaska, U.S.A.: 57.58 N. 136.14 W. **56**
Pelotas, Brazil: 31.47 S. 52.20 W. **72**
Max. Size: Depth 2.5 m. *Fuel:* Available. *Airport:* 10 km.
Pemba Is., Tanzania **30**
Pemba, Mozambique: 13.00 S. 40.28 E. **28, 30**
Max. Size: Draft 27 ft. 6 in. *Fuel:* Available. *Airport:* 7 km., flights to Maputo and Beira.
Pemba, see Wete.
Pembroke Dock, U.K.: 51.40 N. 4.56 W. **5**
Penang Is., Malaya, Malaysia **38, 39**
Penang, Malaya, Malaysia: 5.25 N. 100.21 E. **38**
Max. Size: Depth 10.0 m. Tankers: Depths up to 10.7 m. *Fuel:* Available. *Airport:* 18 km.
Penarth, U.K.: 51.26 N. 3.10 W. **5, 7**
Max. Size: Berth length 500 ft. Also see Cardiff.
Penco, see Talcahuano.
Pending Point, see Kuching.
Penedo, Brazil: 10.15 S. 36.35 W. **72**
Penetanguishene, Ontario, Canada: 44.46 N. 79.55 W. **62**
Peng Hu, Taiwan: 23.34 N. 119.31 E. **41**
Peng Lai, China: 37.47 N. 120.49 E. **41**
Penguin, Australia, see Burnie.
Peniche, Portugal: 39.22 N. 9.22 W. **20**
Peninsular Harbour, see Marathon.
Penmaenmawr, see Conway, U.K.
Pennington Offshore Terminal, Nigeria: 4.15 N. 5.36 E. **28**
Max. Size: 250,000 tons displacement, depth 88 ft. *Fuel:* Not available.
Pennsauken, see Philadelphia.
Pennsylvania, U.S.A. **60, 62, 63,**
Penrhyn Is., see Tongareva.
Penrhyn, see Bangor, U.K.
Penryn, see Falmouth.
Pensacola, Florida, U.S.A.: 30.25 N. 87.13 W. **55, 66**
Max. Size: Depth 35 ft. (LW) *Airport:* Pensacola.
Pentecost Is., Vanuatu: 15.45 S. 168.12 E. **48**
Pentland Firth, U.K. **5**
Penuba, Indonesia: 0.19 S. 104.27 E. **38**
Penzance, U.K.: 50.07 N. 5.32 W. **5, 19**
Max. Size: LOA 300 ft., depth 5.49 m. *Fuel:* Available. *Dry Docks:* LOA 74.7 m., breadth 11.9 m., draft 3.35 m. *Airport:* Newquay.
Pepel, Sierra Leone: 8.34 N. 13.04 W. **27**
Max. Size: LOA 840 ft., beam 128 ft., water depth 38 ft. plus height of tide (7 ft. – 11 ft.). The channel has not been maintained since 1975. Depth alongside 45 ft. *Fuel:* Limited supplies available.
Pequaming, Michigan, U.S.A.: 46.51 N. 88.24 W. **62**
Perama, Greece: 37.58 N. 23.35 E. **23, 25**
Dry Docks: Length 202 m., depth 40 m., capacity 15,000 tons. See also Piraeus.
Perce, Quebec, Canada: 48.30 N. 64.13 W. **60**
Percy, see Port Percy.
Perim Is., Yemen: 12.30 S. 43.30 E. **32**
Perlas Is., (Arc. de las Perlas), Panama **69**
Perlis, Malaya, Malaysia: 6.24 N. 100.08 E. **38**
Pernambuco, see Recife.
Pernis, see Schiedam.
Peros Banhos Is., (U.K.): 5.22 S. 71.45 E. **30, 37**
Perros Guirec, France: 48.48 N. 3.27 W. **7, 19**
Perryville, Alaska, U.S.A.: 55.58 N. 159.03 W. **54**
Persian Gulf **31, 35**
Perth, W.A., Australia: 31.57 S. 115.52 E. **49**

Perth, U.K.: 56.24 N. 3.29 W. 5
Max. Size: LOA 84 m., draft 4.2 m. *Fuel:* By road tanker.
Airport: Edinburgh, 44 miles. Glasgow, 70 miles
Perth Amboy, New York, U.S.A.: 40.30 N. 74.16 W. 63
Max. Size: Tankers: Depth 26 ft. – 34 ft. Also see New York.
Pertigalete, Venezuela: 10.15 N. 64.34 W. 69, 74
Max. Size: Depth of water alongside the pier is 20 ft. (shore side) to 40 ft. (sea side). Tankers (Pamatacualito): Depth 10 m.
Pertuis d'Antioche, France: 46.06 N. 1.20 W. 19
PERU 72
Pesaro, Italy: 43.55 N. 12.55 E. 24
Pescara, Italy: 42.28 N. 14.14 E. 24
Peschici, Italy: 41.55 N. 16.00 E. 24
Peta, Indonesia: 3.39 N. 125.34 E. 45
Peter the Great Bay, U.S.S.R. 42
Peterhead Bay Harbour, U.K.: 57.30 N. 1.47 W. 5
Max. Size: Depth 21.2 m. Tankers: 40,000 d.w.t., LOA 200 m., draft 11.5 m. *Fuel:* Available. *Airport:* Aberdeen, 34 miles.
Petersburg, Alaska, U.S.A.: 56.49 N. 132.57 W. 56
Max. Size: Depth 24 ft. (MLLW). *Fuel:* Diesel and gasoline.
Petit Couronne, see Rouen.
Petit Goave, Haiti: 18.26 N. 72.50 W. 69
Petit Metis, Quebec, Canada: 48.40 N. 68.00 W. 60
Petkim, see Nemrut Bay.
Petone, New Zealand: 41.14 S. 174.53 E. 52
Petoskey, Michigan, U.S.A.: 45.22 N. 84.58 W. 62
Petrodvorets, U.S.S.R.: 59.55 N. 29.55 E. 59
Petropavlovsk, U.S.S.R.: 53.01 N. 158.40 E. 54
Petrovac, Yugoslavia: 42.13 N. 18.55 E. 24
Peu, Vanikoro Is., Santa Cruz Is., Solomon Is.:
11.41 S. 166.52 E. 48
Pevek, U.S.S.R.: 69.43 N. 170.18 E. 54
Phangnga, Thailand: 8.25 N. 98.30 E. 38
Philadelphia, Pennsylvania, U.S.A.:
39.57 N. 75.10 W. 55, 60, 63, 65
Max. Size: Draft 55 ft. for lightering. Depths alongside to 45 ft. Tankers: Depth 30 ft. – 40 ft. *Fuel:* Bunker C and diesel.
Airport: 6 miles.
Philip Is., Australia: 29.06 S. 167.57 E. 48
Philippeville, see Skikda.
Philippine Sea 45, 46
PHILIPPINES, THE 45, 46
Philipsburg, (St. Maarten), Netherlands Antilles:
18.05 N. 63.10 W. 69
Max. Size: LOA – no limit, draft 30 ft. *Fuel:* Not available.
Airport: International.
Phillip Is., Victoria, Australia, see Cowes.
Phnom Penh, Cambodia: 11.35 N. 104.55 E. 38
Phoenix Islands, Kiribati 48
Phuket, Thailand: 7.50 N. 98.25 E. 38
Max. Size: Draft 22 ft. at pier, about 10,000 d.w.t., LOA 430 ft.
Fuel: Limited supply.
Pianosa Is., Italy: 42.30 N. 9.50 E. 24
Pico Is., Azores, (Portugal): 38.28 N. 28.18 W. 20
Picton, Ontario, Canada: 44.01 N. 77.09 W. 62
Picton, New Zealand: 41.17 S. 174.00 E. 52
Max. Size: LOA 201 m., draft 11 m. aft, 8 m. – 10 m. forward.
Fuel: By tank wagon only. *Airport:* Woodbourne, 22 miles.
Pictou, Nova Scotia, Canada: 45.41 N. 62.43 W. 60
Max. Size: Pier 720 ft. long with 27 ft. depth alongside.
Fuel: Diesel only. *Dry Docks:* 2,000 ton capacity.
Airport: Halifax, 80 miles.
Pierowall, U.K.: 59.18 N. 2.59 W. 5
Pietarsaari, see Jakobstad.
Pigadia, see Karpathos.
Pilar, Paraguay: 26.51 S. 58.21 W 72
Pilevo, U.S.S.R.: 50.00 N. 142.08 E. 42
Pilion, Greece: 38.46 N. 23.36 E. 25
Pilon, (Ensenada de Mora), Cuba: 19.54 N. 77.19 W. 69
Max. Size: Draft 20 ft., LOA 500 ft. (tankers), 470 ft. (dry cargo).
Fuel: Not available.
Pilon, see Porto Pilon.
Pilos, see Pylos.
Pilot Point, Alaska, U.S.A.: 57.30 N. 157.35 W. 54
Pilot Town, Louisiana, U.S.A.: 29.11 N. 89.15 W. 66, 67
Pimentel, Peru: 6.50 S. 79.56 W. 72
Max. Size: Anchorage: Depth 40 ft. – 48 ft. Tankers: Draft 18 ft.
Fuel: Not available.
Pinamalayan, Mindoro, Philippines: 13.02 N. 121.29 E. 46
Pinang, see Penang.
Pindo, see Tumaco.
Pine Is., Florida, U.S.A.: 26.36 N. 82.06 W. 66
Piney Point, Maryland, U.S.A.: 38.08 N. 76.32 W. 55, 60, 63, 65
Max. Size: Draft 38 ft. *Fuel:* Bunker "C" only.
Airport: Washington National, 80 miles.
Pingalep Is., Caroline Is., Micronesia: 6.14 N. 160.42 E. 48
Pini Is., Indonesia: 0.10 N. 98.40 E. 38
Pinkenba, see Brisbane.
Pinos, Panama: 9.05 N. 77.58 W. 69
Pinos Island, see Nueva Gerona.
Piombino, Italy: 42.56 N. 10.33 E. 24
Max. Size: Draft 39 ft., LOA 260 m. (80,000 d.w.t.).
Tankers: Draft 14 ft. *Fuel:* Available by barge from Livorno.
Piperi Is., Greece: 39.20 N. 24.19 E. 25
Pir Pau, see Bombay.
Piraeus, Greece: 37.57 N. 23.38 E. 21, 23, 24, 25, 26
(Including Aghios Georgios: 37.57 N. 23.36 E. and Drapetzona: 37.56 N. 23.37 E.)
Max. Size: Aghios Georgios: Draft 32 ft. Drapetzon: Draft 38 ft. Piraeus: Draft 36 ft. Tankers: Draft 26 ft – 48 ft. *Fuel:* Gas oil, fuel oil and mixtures of both to a certain viscosity available.
Dry Dock: Length 136.4 m., depth 9.2 m. *Airport:* Athens, 10 km.
Piran, Yugoslavia: 45.32 N. 13.34 E. 24
Pirgos, Greece: 36.32 N. 22.20 E. 25
Piriac, France: 47.23 N.. 2.33 W. 19
Piriapolis, Uruguay: 34.50 S. 55.15 W. 75
Pirie, see Port Pirie.
Piru, Indonesia: 3.04 S. 128.11 E.. 45
Pisa, Italy: 43.43 N. 10.23 E. 24
Pisagua, Chile: 19.38 S. 70.14 W. 72
Pisciotta, Italy: 40.05 N. 15.10 E. 24
Pisco, Peru: 13.44 S. 76.15 W. 72
Max. Size: See General San Martin.
Piscopi, see Tilos.
PITCAIRN ISLANDS, (U.K.) 48
Pitcairn Is., (U.K.): 25.04 S. 130.06 W. 48
Pitch Point, see Sobo.
Pitea, Sweden: 65.14 N. 21.38 E. 9, 15
(incl. Haraholmen 65.14 N. 21.38 E.)
Pitea town closed to navigation.
Max. Size: Through Pitsundet, draft up to 22 ft.
Haraholmen: Draft 11.5 m. Tankers (Haraholmen): 70,000 d.w.t., LOA 240 m., draft 37 ft. 10 in.
Fuel: All grades. *Dry Docks:* None. *Airport:* 50 km.
Pithagorion, Greece: 37.42 N. 26.57 E. 25
Pito, Panama: 8.40 N. 77.30 W. 69
Pitsundet, see Pitea.
Plaju, Indonesia: 2.59 S. 104.51 E. 38
Max. Size: Plaju: 18,000 d.w.t., LOA 160 m., depth 13.2 m.
Sungai Gerong: 18,000 d.w.t., LOA 160 m., depth 9.7 m.
Fuel: Available. *Airport:* Palembang, 20 km.
Playa Grande, Guatemala: 14.05 N. 91.30 W. 69
Playitas, Venezuela: 10.00 N. 72.10 W. 69, 73
Plitra, Greece: 36.41 N. 22.50 E. 25
Ploce, Yugoslavia: 43.03 N. 17.26 E. 24
Max. Size: LOA 220 m., draft 34 ft. 6 in.
Fuel: Gas oil available. *Dry Docks:* None.
Airport: Split or Dubrovnik, 110 km.
Plomarion, Greece: 38.58 N. 26.23 E. 25
Plominj, Yugoslavia, see Rabac.
Plymouth, Montserrat, (U.K.): 16.42 N. 62.13 W. 69, 71
Plymouth, Tobago, Trinidad and Tobago:
11.11 N. 60.48 W. 71, 74
Plymouth, U.K.: 50.22 N. 4.09 W. 5, 19
Max. Size: Draft 5 m. – 8.5 m. Tankers: Draft 7.92 m.
Fuel: All normal grades. *Airport:* Domestic.
Plymouth, Massachusetts, U.S.A.: 41.58 N. 70.40 W. 63
Plymouth, North Carolina, U.S.A.: 35.53 N. 76.45 W. 63
Poh, Indonesia: 00.45 S. 122.50 E. 45
Pohang, South Korea: 36.01 N. 129.24 E. 41, 42
Max. Size: 150,000 d.w.t., LOA 350 m. beam 50 m., draft 16.5 m. *Fuel:* All grades. *Airport:* Kimhae, 150 km.
Point Alice, Italy: 39.23 N. 17.12 E. 24
Point Arena, California, U.S.A.: 38.56 N. 123.44 W. 56, 57
Point Au Pic, Quebec, Canada: 47.45 N. 70.00 W. 60
Point Barrow, Alaska, U.S.A.: 71.17 N. 156.40 W. 54
Point Breeze, see Philadelphia.
Point Central, Mauritania: 20.49 N. 17.03 W. 27
Max. Size: LOA 310 m., beam 47 m., draft 12 m. (arrival), 16.15 m. (departure). Also see Nouadhibou.
Point Chicot Is., Louisiana, U.S.A.: 29.48 N. 89.16 W. 67
Point Comfort, Texas, U.S.A.: 28.40 N. 96.35 W. 66
Max. Size: See Port Lavaca.
Point de Grave, France: 45.33 N. 1.04 W. 19
Point de la Coubre, France: 45.42 N. 1.16 W. 19
Point de Penmarch, France: 47.48 N. 4.22 W. 19
Point du Raz, France: 48.02 N. 4.43 W. 19
Point Edward, see Sarnia.
Point Fortin, Trinidad: 10.12 N. 61.42 W. 69, 71, 74
Max. Size: Conventional buoy mooring: Depth 53 ft.
Jetty: Depth 38 ft. *Fuel:* Not available at CBM.
Dry Docks: At Chaguaramas. *Airport:* Port of Spain.
Point Henry, see Geelong.
Point Hope, Alaska, U.S.A.: 68.20 N. 166.50 W. 54
Point Lay, Alaska, U.S.A.: 69.52 N. 162.40 W. 54
Point Licosa, Italy: 40.14 N. 14.55 E. 24

Point Limbo, see Victoria, Cameroon.
Point Lisas, Trinidad: 10.22 N. 61.29 W. **69, 71, 74**
Max. Size: Liquid Pier: LOA 550 ft., draft 28 ft. (LW).
Solids Pier: LOA 250 ft., draft 20 ft. (LWOST).
Industrial Port: LOA 120 m., draft 5.8 m.
Savonetta Pier: LOA 220 m., draft 11.6 m.
ISCOTT: Draft 11.6 m. *Fuel:* All grades.
Dry Docks: At Chaguaramas. *Airport:* 30 miles.
Point Samson, see Port Walcott.
Point Tupper, see Port Hawkesbury.
Point Wells, see Edmonds, Canada.
Point Wilson, see Geelong.
Pointe a La Hache, Louisiana, U.S.A.: 29.35 N. 89.53 W. **67**
Pointe-a-Pierre Terminal, Trinidad: 10.19 N. 61.29 W. . **69, 71, 74**
Max. Size: No. 6 Sea Berth: Draft 54 ft., LOA 950 ft.
SPM: 286,000 d.w.t., draft 73.5 ft. *Fuel:* All grades.
Dry Docks: Chaguaramas. *Airport:* 28 miles.
Pointe-a-Pitre, Guadeloupe, (France): 16.13 N. 61.32 W. . **69, 71**
Max. Size: LOA 230 m., draft 10 m. Tankers: Draft 7.2 m.
Fuel: Available. *Airport:* 3 miles.
Pointe au Pere, see Father Point.
Pointe au Pic, Quebec, Canada: 47.37 N. 70.08 W. **60**
Max. Size: Channel depth 7.0 m. at LW, LOA 120 m.
Fuel: Diesel available. *Dry Docks:* Lauzon, 70 miles.
Pointe Claire, Quebec, Canada: 45.25 N. 73.50 W. **61**
Pointe Clairette, see Cape Lopez.
Pointe de Ca Mau, Vietnam: 8.34 N. 104.44 E. **38**
Pointe Des Galets, Reunion Is., (France): 20.55 S. 55.17 E. . . **30**
Max. Size: West Port: LOA 175 m., beam 24 m., draft 8.5 m.
or LOA 160 m., beam 24 m., draft 9 m. East Port (Baie de la
Possession): LOA 215 m., beam 34 m., draft 12 m.
Fuel: Fuel and marine diesel. *Airport:* 30 km.
Pointe Noire, Quebec, Canada: 50.10 N. 66.30 W. **60**
Pointe Noire, Congo: 4.47 S. 11.49 E. **29**
Max. Size: Draft 31 ft. Ore: Draft 34 ft. 6 in. Tankers: Draft 33 ft. 6 in.
Fuel: Available. *Dry Docks:* Slipway up to 800 tons. *Airport:* 6 km.
Pola, see Pula.
Polambato, see Bogo.
POLAND **9, 10**
Poleng (SBS Terminal), Indonesia: 6.39 S. 112.55 E. **38**
Max. Size: Depth 180 ft. *Fuel:* Not available.
Polillo Is., Philippines: 14.44 N. 121.56 E. **46**
Pollensa, Spain: 39.54 N. 3.05 E. **22**
Polloc, Mindanao, Philippines: 7.21 N. 124.13 E. **45, 46**
Max. Size: Depth 10.5 m. *Fuel:* Diesel by road tanker.
Airport: Connects with Manila.
Polnochny, see Gdansk.
Polol, U.S.S.R.: 66.42 N. 86.35 E. **16**
Polyarnyy, U.S.S.R.: 69.12 N. 33.28 E. **16**
Polynesia **48**
Pomalaa, Indonesia: 4.14 S. 121.32 E. **45**
Max. Size: LOA 135 m., draft 7 m. Tankers: LOA 110 m., draft 7 m.
Ore Carriers: Draft 11 m. *Fuel:* Not available. *Airport:* Pomalaa.
Pomarao, Spain: 37.34 N. 7.30 W. **22**
Pomona, Namibia: 26.50 S. 15.20 E. **29**
Ponape Harbour, Caroline Is., Micronesia: 6.57 N. 158.13 E. . . **48**
Ponce, Puerto Rico: 17.58 N. 66.37 W. **69**
Max. Size: Draft 35 ft. *Fuel:* Available.
Pondicherry, India: 11.56 N. 79.50 E. **37**
Max. Size: Anchorage is 7 fathoms within 1 mile from New Pier.
Fuel: Not available. *Dry Docks:* None. *Airport:* Madras, 160 km.
Ponnani, India: 10.47 N. 75.55 E. **37**
Ponoi, U.S.S.R.: 67.02 N. 41.10 E. **16**
Pont Audemer, France: 49.20 N. 0.25 E **7**
Pont L'Abbe, France: 47.52 N. 4.13 W. **19**
Ponta da Madeira, Brazil: 2.34 S. 44.23 W. **72**
Max. Size: 280,000 d.w.t., depth 23 m. *Fuel:* Not available.
Ponta Delgada, San Miguel I., Azores, (Portugal):
37.44 N. 25.40 W. **20**
Max. Size: Up to 38 ft. draft. *Fuel:* Available.
Dry Docks: None. *Airport:* 3 km.
Pontaubault, France: 48.39 N. 1.21 W. **7, 19**
Pontevedra, Spain: 42.26 N. 8.39 W. **20**
Pontianak, Indonesia: 00.01 S. 109.19 E. **38**
Max. Size: LOA 110 m., draft 5 m. *Fuel:* Not available.
Pontrieux, France: 48.42 N. 3.09 W. **7, 19**
Ponza, (Ponziane Is.), Italy: 40.54 N.12.58 E. **24**
Ponziane Is., Italy **24**
Poole, U.K.: 50.43 N. 1.59 W. **5, 7**
Max. Size: LOA 140 m., draft 5.2 m. *Fuel:* Gas oil only.
Dry Docks: 2 Slipways, max. 220 ft. × 40 ft.
Airport: Hurn, 9 miles.
Popof Is., Alaska, U.S.A., see Sand Point.
Porbandar, India: 21.38 N. 69.36 E. **37**
Max. Size: LOA 177 m., draft 9 m. One mooring
buoy – draft 7 m. Anchorage – No restriction. *Fuel:* Available
by road tanker. *Dry Docks:* 150 ft.×55 ft. *Airport:* 3 miles.
Porec, Yugoslavia: 45.14 N. 13.35 E. **24**
Pori, Finland: 61.29 N. 21.48 E. **9, 15**
Max. Size: Draft 25 ft. (7.6 m.). Also see Mantyluoto.
Fuel: Available. *Airport:* 22 km.
Porirua, New Zealand: 41.00 S. 174.55 E. **52**
Porkkala, Finland: 60.05 N. 24.23 E. **10**
Max. Size: See Kantvik.
Porlamar, Venezuela: 10.57 N. 63.51 W. **69, 74**
Pornic, France: 47.07 N. 2.06 W. **19**
Poro, New Caledonia, (France): 21.19 S. 165.44 E. **48**
Max. Size: LOA 169 m., draft 9 m. See also Noumea.
Poro, Philippines, see San Fernando.
Poronaysk, U.S.S.R.: 49.13 N. 143.08 E. **42**
Poros, Greece: 37.30 N. 23.28 E. **25**
Porpoise Harbour, British Columbia, Canada:
54.13 N. 130.17 W. **56**
Porquerolles Is., France: 42.45 N. 6.15 E. **22**
Porsgrunn, see Heroya.

Ports: Ports are cross-indexed alphabetically but listed under their common prefix, i.e. Port, Porto, Puerto.

Port Adams, Texas, U.S.A.: 29.45 N. 95.11 W. **52**
Max. Size: See Houston.
Port Adelaide, see Adelaide.
Port Alberni, British Columbia, Canada: 49.14 N. 124.50 W. . . **56**
Max. Size: Depths up to 50 ft. alongside.
Fuel: Supplies by barge or truck only.
Port Albert, Victoria, Australia: 38.41 S. 146.41 E. **49, 50**
Port Alexander, Alaska, U.S.A.: 56.15 N. 134.39 W. **56**
Port Alfred, Quebec, Canada: 48.20 N. 70.52 W. **60**
Max. Size: Up to 39 ft. draft. *Fuel:* Diesel available.
Airport: 6 miles, connects with Montreal.
Port Alfred, South Africa: 33.35 S. 26.58 E. **30**
Port Alice, British Columbia, Canada: 50.22 N. 127.28 W. . . . **56**
Max. Size: LOA 565 ft., draft 25 ft. Tankers: LOA 580 ft.,
draft 35 ft. *Fuel:* Limited diesel oil. Fuel oil only in emergency.
Airport: 35 miles.
Port Allen, Hawaii, U.S.A.: 21.54 N. 159.35 W. **48**
Max. Size: LOA 687 ft., draft 32 ft.
Airport: 20 miles. Also see Nawiliwili.
Port Allen, Louisiana., U.S.A.: 30.28 N. 91.13 W. **67**
Max. Size: See Baton Rouge.
Port Alma, Queensland, Australia: 23.36 S. 150.53 E. **49**
Max.Size: See Rockhampton.
Port Alucroix, see Limetree Bay.
Port Angeles, Washington, U.S.A.: 48.08 N. 123.25 W. **56**
Max. Size: Depths to 45 ft. MLLW. *Fuel:* Barge delivery.
Airport: 3.5 miles.
Port Antonio, Jamaica: 18.11 N. 76.27 W. **69**
Max. Size: LOA 510 ft., beam 70 ft., draft 25 ft.
Fuel: Not available. *Dry Docks:* None. *Airport:* Kingston.
Port Aransas, Texas, U.S.A.: 27.50 N. 97.03 W. **66**
Port Arecibo, see Arecibo.
Port Arlington, see Queenscliff.
Port Arthur, Tasmania, Australia: 43.08 S. 147.52 E. **49**
Port Arthur, Canada, see Thunder Bay.
Port Arthur, China, see Lu Shun.
Port Arthur, Texas, U.S.A.: 29.52 N. 93.56 W. **55, 66**
Max. Size: Authorised channel depth 40 ft. Depths alongside
up to 40 ft. *Fuel:* Almost any grade.
Dry Docks: 825 ft. × 121 ft. or 362 ft. × 310 ft. Lifting
capacity 56,000 long tons. *Airport:* 10 miles.
Port Askaig, U.K.: 55.51 N. 6.07 W. **5**
Max. Size: Quay length 60 m., depth 4.06 m.
Port au Port, Newfoundland, Canada: 48.34 N. 58.45 W. **60**
Port Au Prince, Haiti: 18.33 N. 72.21 W. **69**
Max. Size: Depth alongside 32 ft. (MLW).
Fuel: Fuel oil by tanker truck. *Airport:* International.
Port Augusta, S.A., Australia: 32.29 S. 137.46 E. **49, 50**
Max. Size: LOA 450 ft., depths up to 20 ft.
Airport: Nearest at Whyalla.
Port Austin, Michigan, U.S.A.: 44.05 N. 83.00 W. **62**
Port aux Basques, Newfoundland, Canada: 47.33 N. 59.08 W. **60**
Port Bail, France: 49.20 N. 1.43 W. **19**
Port Balchik, see Balchik.
Port Blair, (Andaman Is.), India: 11.40 N. 92.44 E. **38**
Port Blandford, Newfoundland, Canada: 48.22 N. 54.10 W. . . . **60**
Port Bolivar, Texas, U.S.A.: 29.21 N. 94.47 W. **66**
Port Bonython, S.A., Australia: 33.01 S. 137.46 E. **49, 50**
Max. Size: LOA 265 m., draft 15.8 m., 110,000 d.w.t.,
depth 20 m. *Fuel:* Not available.
Airport: Whyalla, connects with Adelaide.
Port Botany, see Botany Bay.
Port Bou, Spain: 42.25 N. 3.09 E. **22**
Port Bouet, Ivory Coast: 5.15 N. 3.58 W. **29**
Max. Size: Sea Line Buoy: LOA 270 m., draft 46 m.,
75,000 d.w.t. Also see Abidjan.
Port Briera, Algeria: 36.32 N. 1.35 E. **22**
Port Burwell, Newfoundland, Canada: 60.25 N. 64.51 W. **59**
Port Burwell, Ontario, Canada: 42.38 N. 80.48 W. **60, 62**

Port Campbell, Victoria, Australia: 38.37 S. 142.59 E. . . . 49, 50
Port Canaveral, Florida, U.S.A.: 28.25 N. 80.35 W. 55, 66
Max. Size: LOA unlimited, draft 35 ft.
Fuel: Available. *Airport:* Orlando, 50 miles.
Port Canning, India: 22.15 N. 88.45 E. 37
Port Cartier, Quebec, Canada: 50.02 N. 66.47 W. 60
Max. Size: Vessels of 100,000 d.w.t. and over, draft 33 ft. forward, 38 ft. aft on arrival. Ore: Loaded draft 54 ft. (MHW), airdraft 42 ft. (MHW). Grain: Loaded draft 47 ft., airdraft 45 ft. (MHW). *Fuel:* Available.
Airport: 40 miles, connects with Montreal, etc.
Port Chalmers, New Zealand: 45.46 S. 170.43 E. 52
Max. Size: Draft 11.7 m. *Fuel:* Available.
Dry Docks: None. *Airport:* Dunedin.
Port Chester, New York, U.S.A.: 41.00 N. 73.40 W. 63
Port Clinton, Ohio, U.S.A.: 41.31 N. 82.57 W. 62
Port Colborne, Ontario, Canada: 42.52 N. 79.15 W. 62
Max. Size: LOA 730 ft., beam 76 ft., draft 26 ft.
Fuel: Bunker and diesel. *Dry Docks:* At Port Weller.
Port Coquitlam, British Columbia, Canada: 49.16 N. 122.46 W. 56
Port Cornwallis, (Andaman Is.), India: 13.20 N. 92.55 E. 38
Port Covington, see Baltimore.
Port Credit, Ontario, Canada: 43.33 N. 79.35 W. 62
Port Curtis, see Gladstone.
Port Dalhousie, Ontario, Canada: 43.12 N. 79.16 W. 62
Max. Size: Channel depth 21 ft. – 23 ft. *Fuel:* Gasoline only.
Port Daniel, Quebec, Canada: 48.10 N. 64.55 W. 60
Port Darwin, Falkland Is., (U.K.): 51.50 S. 58.55 W. 72
Port de Berre, see Berre.
Port de Bouc, France: 43.24 N. 4.59 E. 22, 23
(Incl. Lavera: 43.23 N. 5.00 E., Caronte: 43.24 N. 5.02 E., La Mede: 43.24 N. 5.07 E. and Martigues: 43.24 N. 5.03 E.).
Max. Size: Lavera: LOA 275 m., draft 12.8 m., Port de Bouc/ Caronte: LOA 170 m., draft 8.8 m. La Mede: LOA 180 m., draft 7.2 m. *Fuel:* All grades. *Airport:* Marignane, 40 km.
Also see Marseilles.
Port de la Mede, see Port de Bouc.
Port de Lavera, see Port de Bouc.
Port De Paix, Haiti: 19.57 N. 72.50 W. 69
Port Dickson, Malaya, Malaysia: 2.31 N. 101.47 E. 38, 39
Max. Size: Up to 49 ft. draft at S.B.M. terminal.
Fuel: Bunker fuel oil available, no diesel. *Dry Docks:* None.
Airport: None.
Port Dikson, U.S.S.R.: 73.30 N. 80.25 E. 16
Port Dinorwic, U.K.: 53.11 N. 4.13 W. 5
Port Douglas, Queensland, Australia: 16.29 S. 145.29 E. . . . 49
Port Dover, Ontario, Canada: 42.47 N. 80.12 W. 62
Port Dufferin, Nova Scotia, Canada: 44.55 N. 62.25 W. 60
Port Dzaoudzi, Mayotte Is., Comoros, (France):
12.50 S. 45.10 E. 30
Max. Size: Draft 40 ft. at anchor. *Fuel:* Not available.
Airport: Connects to Reunion Is.
Port Eads, Louisiana, U.S.A.: 29.01 N. 89.10 W. 67
Port Edward, British Columbia, see Porpoise Harbour.
Port Edward, Ontario, see Sarnia.
Port Elgin, Ontario, Canada: 44.26 N. 81.24 W. 62
Port Elizabeth, South Africa: 33.57 S. 25.39 E. 30
Max. Size: Passenger, dry cargo and container vessels: Draft 11.6 m. Tankers: LOA 203.3 m., draft 9.7 m. Ore Carriers: LOA 251.5 m., draft 11.6 m. *Fuel:* Bunker fuel and gas oil.
Dry Docks: None. *Airport:* 4 km.
Port Ellen, U.K.: 55.37 N. 6.13 W. 5
Max. Size: Depth at pier 12 ft. (LWOST).
Port en Bessin, France: 49.21 N. 00.45 W. 7, 19
Port Erin, U.K.: 54.05 N. 4.46 W. 5
Port Esquivel, Jamaica: 17.53 N. 77.08 W. 69
Max. Size: LOA 650 ft., draft 36 ft. *Fuel:* Bunker "C".
Dry Docks: None. *Airport:* 40 miles.
Port Etienne, see Nouadhibou.
Port Everglades, Florida, U.S.A.: 26.05 N. 80.05 W. . . . 55, 66, 69
Max. Size: Depth 42 ft. (MLW). Tankers: Depth 35 ft. – 43 ft.
Fuel: Fuel oil and diesel. *Dry Docks:* Capacity 4,200 tons.
Port Fairy, Victoria, Australia: 38.23 S. 142.15 E. 49, 50
Port Fajardo, see Fajardo.
Port Fouad, Egypt: 31.14 N. 32.21 E. 33, 34
Port Gamble, Washington, U.S.A.: 47.51 N. 122.35 W. 56
Port Gentil, Gabon: 00.43 S. 8.48 E. 29
Max. Size: Depth 11 m. Tankers: LOA 70 m., draft 5 m.
Fuel: 3 days' notice required. Fuel oil viscosity 1,500 and 3,500 seconds Redwood available.
Dry Docks: None. *Airport:* 4 km.
Port Germein, S.A., Australia: 33.01 S. 138.01 E. 50
Port Giles, S.A., Australia: 35.02 S. 137.46 E. 49
Max. Size: LOA 675 ft. (206 m.), beam 130 ft. (40 m.), 40,000 d.w.t. *Fuel:* By road tanker. *Airport:* Adelaide.
Port Glasgow, see Greenock.
Port Graham, see English Bay.
Port Gregory, W.A., Australia: 28.12 S. 114.15 E. 49
Port Harcourt, Nigeria: 4.46 N. 7.00 E. 28, 29
Max. Size: Draft 9.5 m. at HW, LOA 600 ft.
Fuel: Available by barge or road tanker. *Airport:* 30 km.
Port Hardy, British Columbia, Canada: 50.42 N. 127.30 W. . . . 56
Port Harmon, see Stephenville.
Port Harrison, see Inoucdjouac.
Port Harvey, see Oro Bay.
Port Hastings, see Port Hawkesbury.
Port Hawkesbury, Nova Scotia, Canada: 45.36 N. 61.22 W. . . 60
Max. Size: Port Hawkesbury: Up to 50,000 d.w.t. Least depth 75 ft. Canso Causeway Canal: LOA 715 ft., beam 75 ft., draft 28 ft. (30 ft. by arrangement). *Fuel:* For calling tankers only. *Airport:* Halifax 150 miles, Sydney 90 miles.
Port Hedland, W.A., Australia: 20.18 S. 118.35 E. 49
Max. Size: LOA 330 m., subject to restrictions.
Departure draft determined by computer.
Depths: Goldsworthy Pier: 17 m.; Berth No. 1: 11.0 m.; Berth No. 3: 13.2 m.; Mount Newman: 19 m.
Fuel: Available.
Airport: 12 km., connects with Perth and Darwin.
Port Heiden, Alaska, U.S.A.: 56.55 N. 158.40 W. 54
Port Holland, Basilan, Philippines: 6.33 N. 121.52 E. 46
Port Hood, Nova Scotia, Canada: 46.00 N. 61.32 W. 60
Port Hope, Ontario, Canada: 43.56 N. 78.17 W. 62
Max. Size: Depth 7 ft. – 9 ft. alongside. *Fuel:* Available.
Port Hope Simpson, Newfoundland, Canada:
52.31 N. 56.17 W. 59
Port Huon, Tasmania, Australia: 43.10 S. 146.59 E. 49
Max. Size: LOA 190 m., draft 9 m. *Fuel:* Limited supplies by road from Hobart. *Airport:* Hobart, 40 miles.
Port Huron, Michigan, U.S.A.: 42.59 N. 82.26 W. 55, 62
Max. Size: LOA 730 ft., draft 26 ft. *Fuel:* All grades.
Port Irene, see Aparri.
Port Isaac, U.K.: 50.35 N. 4.50 W. 5
Port Isabel, Texas, U.S.A.: 26.05 N. 97.13 W. 66, 69
Port Jackson, see Sydney, Australia.
Port Jefferson, New York, U.S.A.: 40.58 N. 73.06 W. 63
Port Jerome, see Quillebeuf.
Port Joinville, France: 46.44 N. 2.21 W. 19
Port Kaiser, Jamaica: 17.52 N. 77.37 W. 69
Max. Size: Tankers: Draft 40 ft. Bulk Carriers: LOA 650 ft., beam 90 ft., draft 36 ft. *Fuel:* Not available.
Port Kamsar, see Kamsar.
Port Kasim, see Port Muhammad Bin Qasim.
Port Kelang, Malaya, Malaysia: 3.00 N. 101.24 E. 38, 39
Max. Size: South Port: LOA 600 ft., draft 32 ft. Tankers: LOA 560 ft., draft 32 ft. North Port: North Extension Wharves: Container ships – LOA 950 ft., depth 44 ft.
Fuel: Available. *Dry Docks:* None. *Airport:* Subang, 20 miles.
Port Kembla, N.S.W., Australia: 34.28 S. 150.54 E. 49
Max. Size: 150,000 d.w.t., channel depth 15.25 m. (ISLW). Coal: LOA 300 m., beam 45 m., depth 16.25 m. Grain: LOA 290 m., beam 45 m., depth 16.3 m. Iron ore: Depth 15.75 m. Tankers: LOA 183 m., depth 10.6 m. *Fuel:* Furnace and diesel oil. *Airport:* Sydney.
Port Kennedy, see Thursday Island.
Port Kenny, S.A., Australia: 33.11 S. 134.41 E. 49
Port Khalid, see Sharjah.
Port Khorly, U.S.S.R.: 46.05 N. 33.18 E. 26
Port Latta, Tasmania, Australia: 40.51 S. 145.23 E. 49
Max. Size: LOA 245 m. (804 ft.), draft 16 m. (52.5 ft.). Tankers: Draft 45 ft. *Fuel:* Not available.
Airport: 25 miles, Wynyard.
Port Lavaca, Texas, U.S.A.: 28.40 N. 96.35 W. 55, 66
Max. Size: LOA 750 ft., draft controlled by channel depth 38 ft.
Fuel: Available. *Airport:* Victoria, 20 miles.
Port Lincoln, S.A., Australia: 34.42 S. 135.50 E. 49, 55
Max. Size: Depth 12 m. Grain: 60,000 d.w.t., depth 14.93 m. B.H.P. (Proper Bay): LOA 183 m., depth 10.4 m. Tankers: Depth 32 ft. *Fuel:* Limited fuel oil/diesel.
Airport: Connects to Adelaide.
Port Louis, France: 47.42 N. 3.21 W. 19
Port Louis, Mauritius: 20.09 S. 57.30 E. 30
Max. Size: Draft 11 m. Sugar: LOA 198 m., draft 11 m.
Fuel: Available.
Dry Docks: 100 m.×15 m., with max. draft of 9 m.
Port Lyantey, see Kenitra.
Port MacDonnell, S.A., Australia: 38.03 S. 140.42 E. 49
Port McNeil, British Columbia, Canada: 50.36 N. 127.04 W. . . 56
Port McNicoll, Ontario, Canada: 44.45 N. 79.48 W. 60, 62
Port Macquarie, N.S.W., Australia: 31.25 S. 152.55 E. 49
Port Maitland, Ontario, Canada: 42.51 N. 79.35 W. 62
Port Manati, see Manati.
Port Meadows, (Andaman Is.), India: 12.00 N. 92.47 E. 38
Port Medway, Nova Scotia, Canada: 44.09 N. 64,34 W. 60
Port Melbourne, see Melbourne.
Port Mellon, British Columbia, Canada: 49.31 N. 123.29 W. . . 56
Port Meneng, see Meneng.
Port Menier, Quebec, Canada: 49.49 N. 64.21 W. 60
Port Moller, Alaska, U.S.A.: 56.00 N. 160.35 W. 54

Port Moody, British Columbia, Canada: 49.17 N. 122.53 W. . . 56
Port Morant, Jamaica: 17.52 N. 76.20 W. 69
(incl. Morant Bay: 17.53 N. 76.24 W.).
Port Moresby, Papua New Guinea: 9.29 S. 147.09 E. 45
Max. Size: Depth 10.6 m. at LAT alongside.
Tankers: Draft 13 m. at buoys. *Fuel:* Diesel. *Airport:* 13 km.
Port Muhammad Bin Qasim, Pakistan: 24.46 N. 67.21 E. 37
Max. Size: Draft 10 m. – 12 m., LOA 183 m. – 225 m.
Fuel: Available. *Dry Docks:* None, see Karachi.
Airport: Karachi, 30 km.
Port Nador, Morocco: 35.17 N. 2.56 W. 22
(See also Melilla).
Max. Size: LOA 500 ft. (approx.)., draft 8.5 m. (approx.).
Airport: 140 km.
Port Natal, see Durban.
Port Neches, Texas, U.S.A.: 30.00 N. 93.57 W. 66
Max. Size: Depth 38 ft., LOA 810 ft.
Fuel: Bunker "C" by barge from Port Arthur or Beaumont.
Dry Dock: See Port Arthur. *Airport:* Connects Houston.
Port Nelson, Canada, see York Factory.
Port Nelson, New Zealand, see Nelson.
Port Nessabar, see Bourgas.
Port Newark, see Newark, N.J.
Port Nicholson, see Wellington.
Port Nolloth, South Africa: 29.15 S. 16.50 E. 29
Max. Size: LOA 200 m., draft 4 m. *Fuel:* Diesel only.
Airport: Alexander Bay, 80 km.
Port Nouveau Quebec, Quebec, Canada: 58.42 N. 65.58 W. . . 59
Port O'Connor, Texas, U.S.A.: 28.27 N. 96.24 W. 66
Port of Spain, Trinidad: 10.39 N. 61.32 W. 69, 71, 74
Max. Size: Depth 7.4 m. – 10 m. *Fuel:* All grades.
Dry Docks: Chaguaramas. *Airport:* 17 miles.
Port Orchard, Washington, U.S.A.: 47.32 N 122.38 W. 56
Port Orford, Oregon, U.S.A.: 42.45 N. 124.30 W. 57
Port Pegasus, New Zealand: 47.10 S. 167.40 E. 52
Port Penrhyn, see Bangor, U.K.
Port Percy, Chile: 52.54 S. 70.14 W. 72
(Incl. Clarence Cove: 52.55 S. 70.09 W.)
Max. Size: LOA 400 ft., draft 33 ft.
Clarence Cove: LOA 250 m., draft 36 ft. (10.97 m.).
Fuel: Diesel oil only. *Airport:* Punta Arenas.
Port Phillip Bay, Victoria, Australia 49, 50
Port Pirie, S.A., Australia: 33.10 S. 138.08 E. 49, 50
Max. Size: LOA 185 m., beam 30.0 m., depth in channel 6.4 m.
LWOST. Max. sailing draft 8.23 m. *Fuel:* Limited supply of diesel oil.
Port Poinochny, see Gdansk.
Port Purcell, see Road Harbour & Port Purcell.
Port Qaboos, Oman: 23.37 N. 58.34 E. 31, 35
Max. Size: Draft 34 ft. *Fuel:* Gas oil only on berths.
Other fuels by arrangement. *Airport:* Muscat.
Port Qasim, see Port Muhammad Bin Qasim.
Port Rashid, Dubai, U.A.E.: 25.16 N. 55.16 E. 35
Max. Size: Draft 37.7 ft. Container Terminal: Draft 42 ft.
Tankers: Draft 11.3 m. *Fuel:* Available.
Dry Docks: 1,000,000 d.w.t. *Airport:* 3.2 km.
Port Raysut, Oman: 16.56 N. 54.01 E. 31
Max. Size: Draft 9.5 m. Tankers: 12 m. *Fuel:* Available at berth. *Dry Docks:* None. *Airport:* Salalah, 25 km.
Port Reading, New Jersey, U.S.A.: 40.34 N. 74.13 W. 63
Port Redi, India: 15.44 N. 73.39 E. 37
Max. Size: Up to 34 ft. draft at anchorage. *Fuel:* Not available. *Dry Docks:* None. *Airport:* Belgaum, 90 miles.
Port Refuge, see Cocos Is.
Port Renfrew, British Columbia, Canada: 48.34 N. 124.25 W. . 56
Port Rhoades, Discovery Bay, Jamaica: 18.29 N. 77.24 W. . . . 69
(Incl. Rio Bueno: 18.29 N. 77.28 W.).
Max. Size: LOA 700 ft., beam 92 ft., draft 37 ft. 6 in.
Fuel: Not available. *Dry Docks:* No facilities.
Airport: Montego Bay, 40 miles.
Port Richmond, Pennsylvania, see Philadelphia.
Port Richmond, New York, see Stapleton.
Port Rowan, Ontario, Canada: 42.38 N. 80.28 W. 62
Port Royal, see Kingston, Jamaica.
Port Royal, South Carolina, U.S.A.: 32.22 N. 80.41 W. 66
Port Said, Egypt: 31.15 N. 32.18 E. 1, 21, 26, 32, 33, 34
Max. Size: Anchorage: Depth 32 ft. Alongside: Draft 27 ft.
Containers: Depth 45 ft. Tankers: Draft 38 ft. *Fuel:* Available.
Dry Docks: 50,000 d.w.t. *Airport:* Cairo, 2.5 hours.
See also Suez Canal.
Port Said By-Pass, Suez Canal 33
Port St. Joe, Florida, U.S.A.: 29.49 N. 85.19 W. 55, 66
Max. Size: Draft 32 ft. *Dry Docks:* None. *Airport:* 40 miles.
Port St. Johns, South Africa: 31.37 S. 29.32 E. 30
Port St. Louis, Madagascar: 13.05 S. 48.50 E. 30
Dry Docks: None. *Airport:* Local, Sirana 7 km.,
Antsiranana 134 km.
Port St. Mary, U.K.: 54.04 N. 4.44 W. 5
Max. Size: LOA 170 ft., draft 10 ft. 6 in. (LWOST).
Port Salazar, see Mocamedes.
Port San Carlos, see San Carlos.
Port San Juan, see Port Renfrew.
Port San Luis, California, U.S.A.: 35.10 N. 120.45 W. 55, 57
Max. Size: Tankers: LOA 750 ft., draft 26 ft.
Fuel: Diesel. *Airport:* 12 miles.
Port Sandwich, Vanuatu: 16.27 S. 167.47 E. 48
Port Sanilac, Michigan, U.S.A.: 43.25 N. 82.35 W. 62
Port Saunders, Newfoundland, Canada: 50.39 N. 57.18 W. . . . 60
Port Seatrain, see New York.
Port Severn, see Waubaushene.
Port Shepstone, South Africa: 30.45 S. 30.28 E. 30
Port Simpson, British Columbia, Canada: 54.33 N. 130.25 W. . 56
Port Socony, see Cartaret.
Port Stanley, Ontario, Canada: 42.40 N. 81.11 W. 60, 62
Port Stanley, Falkland Is., (U.K.): 51.42 S. 57.51 W. 72
(incl. Port William: 51.40 S. 57.49 W.)
Max. Size: LOA 120 m. *Fuel:* Available by special arrangement. *Airport:* 32 miles.
Port Stanvac, S.A., Australia: 35.06 S. 138.28 E. 49, 50
Max. Size: Jetty Berth: LOA 183 m., draft 9.75 m. (32 ft.).
Sea Line Berth: LOA 300 m., draft 51 ft. (15.5 m.).
Fuel: Fuel and diesel oil.
Port Stephens, N.S.W., Australia: 32.43 S. 152.12 E. 49
Port Stewart, Queensland, Australia: 14.05 S. 143.41 E. . . . 49
Port Sucre, see Cumana.
Port Sudan, Sudan: 19.37 N. 37.14 E. 21, 32
Max. Size: LOA 850 ft. Draft at Oil Terminal 39 ft., other berths between 28 ft. and 34 ft. 6 in. *Fuel:* Marine fuel oil, marine diesel oil and gas oil. *Airport:* 3 miles, connects with Cairo and Khartoum.
Port Sulphur, Louisiana, U.S.A.: 29.28 N. 89.41 W. 67
Max. Size: LOA 750 ft., draft 35 ft. – 40 ft. *Fuel:* By barge.
Airport: New Orleans International, 55 miles.
Port Sutton, see Tampa.
Port Swettenham, see Port Kelang.
Port Talbot, U.K.: 51.35 N. 3.49 W. 5, 6
Max. Size: Ore terminal: 150,000 d.w.t., draft 55 ft.
Fuel: Any grade. *Airport:* Rhoose, 25 miles.
Port Tampa, see Tampa.
Port Taranaki, see New Plymouth.
Port Taufiq, Egypt: 29.58 N. 32.34 E. 26, 33, 34
Max. Size: See Suez Canal.
Port Tewfik, see Port Taufiq.
Port Topolly, see Varna.
Port Townsend, Washington, U.S.A.: 48.06 N. 122.45 W. . . . 56
Port Trinidad, see Casilda.
Port Tudy, France: 47.39 N. 3.27 W. 19
Port Union, see Catalina.
Port Vauban, France: 43.35 N. 7.08 E 22
Fuel: Not available. *Airport:* Nice – Cote d'Azur, 15 km.
Port Vendres, France: 42.31 N. 3.07 E. 22
Max. Size: LOA 150 m., draft 25 ft. – 26 ft.
Fuel: Small craft only. *Airport:* Perpignan, 30 km.
Port Victoria, Mahe, Seychelles: 4.37 S. 55.28 E. 30
Max. Size: Draft 12.0 m. Tankers: LOA 210 m., beam 30 m.
Fuel: Available. *Dry Docks:* None. *Airport:* International.
Port Vila, see Vila.
Port Vincent, S.A., Australia: 34.47 S. 137.51 E. 49
Port Vladimir, U.S.S.R.: 69.25 N. 33.08 E. 16
Port Walcott, W.A., Australia: 20.37 S. 117.11 E. 49
(Including Cossack and Point Samson (defunct), Cape Lambert (operational) and Dixon Island (possible future))
Max. Size: Cape Lambert Ore Jetty: 290,000 d.w.t., LOA 355 m., depth 18.5 m. – 19.5 m.
Cape Lambert Service Jetty: LOA 625 ft., depth 10 m. (LW).
Fuel: Not available. *Airport:* Karratha, connects with Perth daily.
Port Waratah, see Newcastle, Australia.
Port Washington, Wisconsin, U.S.A.: 43.24 N. 87.52 W. 62
Port Weld, Malaya, Malaysia: 4.50 N. 100.38 E. 38, 39
Port Weller, Ontario, Canada: 43.14 N. 79.13 W. 60, 62
Max. Size: LOA 730 ft. (222.5 m.), beam 76 ft. (23.16 m.), draft 26 ft. (7.92 m.). *Fuel:* Marine diesel *Dry Docks:* 228.6 m. (750 ft.), graving dock gate width 24.38 m. (80 ft.), depth over sill 9.15 m. (30 ft.).
Port Wentworth, Georgia, U.S.A.: 32.09 N. 81.08 W. 55, 60
Max. Size: LOA 700 ft., least depth in Channel 28 ft., depth in berth 40 ft. *Fuel:* Fuel oil, diesel oil and lubricating oils.
See also Savannah.
Port Whangarei, see Whangarei.
Port William, Falkland Is., see Port Stanley.
Port Williams, Nova Scotia, Canada: 45.05 N. 64.25 W. 60
Port Williams, see Puerto Williams.
Port Wing, Wisconsin, U.S.A.: 46.45 N. 91.25 W. 62
Port Wreck, see Barqueriza.
Port Xill, see Plitra.
Port Zayed, see Mina Zayed.
Portaferry, U.K.: 54.23 N. 5.33 W. 5
Portavogie, U.K.: 54.27 N. 5.26 W. 5
Portbail, France: 49.20 N. 1.42 W. 7

Portbury, U.K.: 51.30 N. 2.44 W. 7
Max. Size: See Avonmouth.
Portel, Brazil: 2.00 S. 50.45 W. 72
Porthleven, U.K.: 50.05 N. 5.19 W. 5
Portiglione, see Follonica.
Portici, see Naples.
Portillo, Cuba: 19.55 N. 77.10 W. 69
Portimao, Portugal: 37.08 N. 8.33 W. 20
Portishead, U.K.: 51.29 N. 2.45 W. 7
Max. Size: LOA 415 ft., beam 60 ft., draft 24 ft.
Also see Bristol.
Portland, Victoria, Australia: 38.20 S. 141.36 E. 49
Max. Size: Largest to date – Departure draft 11.89 m. Tankers: Draft 10.5 m. *Fuel:* Available ex-road tanker. *Airport:* Daily flights to Melbourne.
Portland, U.K.: 50.34 N. 2.26 W. 7
Max. Size: LOA 82.3 m., beam 12 m., draft 5.3 m.
Fuel: Available.
Portland, Maine, U.S.A.: 43.39 N. 70.14 W. 55, 60
Max. Size: Draft 45 ft. *Fuel:* No. 6 diesel oil and blended intermediate fuel oils. *Dry Docks:* 80,000 ton lift floating dock. *Airport:* 4 miles.
Portland, Oregon, U.S.A.: 45.30 N. 122.40 W. 55, 56, 57
Max. Size: River Channel to Portland/Vancouver maintained at 40 ft. by 600 ft., draft 36 ft. – 39 ft. *Fuel:* Viscosity grades of B and lower. *Dry Docks:* Capacity 90,000 long tons. *Airport:* 10 miles.
Portland Bill, U.K.: 50.31 N. 2.27 W. 5, 7
Portmadoc, U.K.: 52.55 N. 4.08 W. 5
Portnockie, see Buckie.
Porto ABC Norte, Brazil: 2.48 S. 50.30 W. 72
Max. Size: Depth 7 m. *Fuel:* Not available. *Airport:* Private.
Porto Alegre, Brazil: 30.05 S. 51.15 W. 72
Max. Size: Over 215 m. LOA not recommended. Safe draft 17 ft. to Porto Alegre. Tankers: LOA 140 m., draft 17 ft., see Tramandai. *Fuel:* Available. *Dry Docks:* LOA 300 ft.
Porto Alexandre, Angola: 15.47 S. 11.50 E. 29
Porto Amboim, Angola: 10.45 S. 13.45 E. 29
Porto Amelia, see Pemba.
Porto Antonio Benes, see Angoche.
Porto Azzuro, Italy: 42.46 N. 10.24 E. 24
Porto Belo, Mozambique: 17.46 S. 37.12 E. 30
Porto Branolao, see Lisbon.
Porto dos Buchos, see Lisbon.
Porto Caimito, Panama: 8.53 N. 79.43 W. 70
Porto Empedocle, (Sicily), Italy: 37.17 N. 13.32 E. 24
Max. Size: East Pier (2nd arm): Max. draft 28 ft.
Fuel: Small quantities. *Dry Docks:* None.
Airport: Palermo, 170 km.
Porto Esperanza, Brazil: 19.37 S. 57.29 W 72
Porto Foxi, see Sarroch.
Porto Garibaldi, Italy: 44.40 N. 12.15 E. 24
Porto Grande, see St. Vincent.
Porto Inglez, Maio, Cape Verde: 15.08 N. 23.15 W. 27
Porto Marghera, see Venice.
Porto Murtinho, Brazil: 21.45 S. 57.52 W. 72
Porto Nogaro, Italy: 45.41 N. 13.15 E. 24
Porto Novo, Benin: 6.25 N. 2.40 E. 28
Porto Novo, India: 11.30 N. 79.46 E. 37
Porto Pilon, Panama: 9.24 N. 79.48 W. 70
Porto Rafti, Greece: 37.53 N. 24.02 E. 25
Porto Recanati, Italy: 43.25 N. 13.40 E. 24
Porto Saco, see Mocamedes.
Porto Santo Is., Madeira, (Portugal): 33.08 N. 16.22 W. 27
Porto Santo Stefano, Italy: 42.26 N. 11.07 E. 24
Porto Seguro, Brazil: 16.27 S. 39.04 W. 72
Porto Tolle, Italy: 44.55 N. 12.20 E. 24
Porto Torres, (Sardinia), Italy: 40.51 N. 8.24 E. 21, 24
Max. Size: West Mole: LOA 150 m., draft 8 m. – 10 m. ANIC: Draft 15 m. *Fuel:* All grades. *Airport:* 34 km.
Porto Trinidad, Panama: 8.58 N. 79.57 W. 70
Porto Trombetas, Brazil: 1.28 S. 56.23 W. 72
Max. Size: Amazon River bar: Draft 37 ft. FW at HW. Trombetas River: Draft 36 ft. FW Aug.-Dec., 37 ft. FW Jan.-July. *Fuel:* Not available. *Airport:* Internal to Manaus.
Porto Vecchio, (Corsica), France: 41.35 N. 9.17 E. 24
Porto Velho, Brazil: 8.48 S. 63.54 W. 72
Porto Vesme, (Sardinia), Italy: 39.11 N. 8.23 E. 24
Max. Size: Draft 12 m. *Fuel:* Not available. *Airport:* 90 km.
Portocel, see Barra do Riacho.
Portoferraio, Italy: 42.49 N. 10.21 E. 24
Portofino, Italy: 44.18 N. 9.55 E. 24
Portreath, U.K.: 50.16 N. 5.18 W. 5
Portree, U.K.: 57.24 N. 6.07 W. 5
Max. Size: LOA 65.5 m., draft 4.08 m. *Fuel:* Gas oil.
Airport: Broadford, 50 km.
Portrieux, France: 48.39 N. 2.49 W. 19
Portrush, U.K.: 55.13 N. 6.40 W. 5
Portsea, Victoria, Australia: 38.19 S. 144.43 E. 49, 50
Portsmouth, Dominica: 15.32 N. 61.29 W. 69, 71
Max. Size: Anchorage: Depth 70 ft. Pier: Depth 12 ft.
Fuel: Not available. *Airport:* At Portsmouth.
Portsmouth, U.K.: 50.48 N. 1.07 W 5, 7
Max. Size: Depth 3.5 m. – 7 m. *Fuel:* Fuel and diesel oils. *Dry Dock:* See Southampton. *Airport:* London – Gatwick and London – Heathrow.
Portsmouth, New Hampshire, U.S.A.: 43.03 N. 70.45 W 60
Max. Size: Depth 28 ft. – 40 ft. *Fuel:* Available.
Portsmouth, Virginia, U.S.A.: 36.50 N. 76.17 W. 63
Max. Size: 2,500 ft. quayage, 38 ft. depth. Tankers: Depth 30 ft. – 32 ft. *Fuel:* All grades. *Dry Docks:* See Norfolk and Newport News. *Airport:* Norfolk and Newport News.
Portsoy, U.K.: 57.41 N. 2.41 W. 5
PORTUGAL 20, 21
Portugaleta, Spain: 43.19 N. 3.01 W. 19
Max. Size: See Bilbao.
Porvenir, Chile: 53.19 S. 70.21 W. 72
Porvoo, Finland: 60.24 N. 25.40 E. 10, 13
Max. Size: See Skoldvik.
Posadas, Argentina: 27.28 S. 55.52 W. 72
Poso, Indonesia: 1.23 S. 120.45 E. 45
Poste De La Baleine, Quebec, Canada: 55.18 N. 77.41 W. . . . 59
Posyet, U.S.S.R.: 42.40 N. 130.48 E. 42
Potamos, Greece: 35.53 N. 23.14 E. 25
Potapovo, U.S.S.R.: 68.35 N. 86.28 E. 16
Poti, U.S.S.R.: 42.09 N. 41.39 E. 21, 26
Max. Size: Draft 9.4 m., LOA 190 m. *Fuel:* Small quantities or over 500 tons if ordered 5 days in advance. *Dry Docks:* None. *Airport:* Sukhumi or Batumi.
Poughkeepsie, New York, U.S.A.: 41.41 N. 73.56 W. 60, 63
Poulsbo, Washington, U.S.A.: 47.44 N. 122.39 W. 56
Povena, see Ciervana.
Povungnituk, Quebec, Canada: 60.00 N. 77.20 W. 59
Powell River, British Columbia, Canada: 49.52 N. 124.33 W. . . 56
Max. Size: LOA 660 ft., draft 32 ft. Tankers: LOA 615 ft.
Fuel: Available. *Airport:* 4 miles, connects with Vancouver.
Pozos Colorados Terminal, Colombia: 11.09 N. 74.15 W. 69
Max. Size: Up to 69,000 d.w.t., LOA 900 ft., beam 110 ft., draft 45 ft. *Fuel:* Not available.
Pozzallo, (Sicily), Italy: 36.43 N. 14.52 E. 24
Pozzuoli, Italy: 40.49 N. 14.07 E. 24
Praesto, Denmark: 55.10 N. 12.03 E. 11
Prai, see Penang.
Praia, Cape Verde: 14.55 N. 23.30 W. 27
Praia de Vitoria, see Vitoria.
Praia Mohle, see Tubarao.
Praia Formosa, see Funchal.
Pratas Is., China: 20.42 N. 116.39 E. 38
Prawle Point, U.K.: 50.12 N. 3.44 W. 5
Preko, Yugoslavia: 44.05 N. 15.12 E. 24
Preparis Is., India: 14.50 N. 93.40 E. 38
Prescott, Ontario, Canada: 44.44 N. 75.31 W. 60, 61
Max. Size: Draft 8.23 m. *Fuel:* Through Montreal Agents.
Airport: Ottawa, 95 km.
Presque Isk Pt., see Marquette.
Preston, Cuba, see Antilla.
Preston, U.K.: 53.45 N. 2.40 W. 5
Prevesa, Greece: 38.57 N. 20.46 E. 24, 25
Pribilof Islands, Alaska, U.S.A. 54
Primorsk, U.S.S.R.: 60.22 N. 28.38 E. 10
Primorsko-Akhtarsk, U.S.S.R.: 46.01 N. 38.10 E. 26
Prince Edward Is., Canada 18, 60
Prince of Wales Is., Alaska, U.S.A. 56
Prince Rupert, British Columbia, Canada: 54.19 N. 130.19 W. . 56
Max. Size: Grain: Depth 14.5 m. Coal: 250,000 d.w.t., LOA 325 m., beam 50 m., draft 22 m.
Fairview Terminal: LOA 247 m., depth 13.7 m.
Fuel: Available. *Dry Docks:* Slipway for 150 ft. vessels.
Airport: 1 hour, connects with Vancouver.
Princes Is., see Kizil Is.
Princesa, see Puerto Princesa.
Principal Channel, River Plate 72, 75
Principe Is., Sao Tome & Principe 28, 29
Prinos, Greece: 40.56 N. 24.31 E. 25
Prins Karls Foreland, (Spitsbergen), Norway 17
Prinzapolca, Nicaragua: 13.20 N. 83.35 W. 69
Priolo, (Sicily), Italy: 37.09 N. 15.12 E. 24
Probolinggo, Indonesia: 7.43 S. 113.13 E. 38
Procida Is., Italy: 40.46 N. 14.02 E. 24
Progreso, Mexico: 21.17 N. 89.39 W. 69
Max. Size: LOA 190 m., draft 23 ft. *Fuel:* Diesel available.
Dry Docks: 3 available. *Airport:* Merida, 37 km.
Prome, Myanmar: 18.46 N. 95.18 E. 38
Proper Bay, see Port Lincoln.
Propriano, (Corsica), France: 41.40 N. 8.54 E. 24
Max. Size: Draft 5 m., LOA 160 m. *Fuel:* Available.
Airport: 6 km.

Proserpine, Queensland, Australia: 20.20 S. 148.35 E. 49
Proti Is., Greece: 37.05 N. 21.32 E. 25
Max. Size: LPG Transfer Anchorage to W. and N. of island – depth 60 fathoms.
Proven, Greenland, (Denmark): 72.21 N. 55.34 W. 17
Provesten, see Copenhagen.
Providence, Rhode Island, U.S.A.: 41.48 N. 71.23 W. . . 55, 60, 63
Max. Size: Draft 38 ft. *Fuel:* Bunker fuel oil, lubricating oils. *Airport:* Rhode Island Green Airport.
Providence I., Seychelles: 9.14 S. 51.02 E. 30
Providence Bay, Ontario, Canada: 45.40 N. 82.15 W. 62
Providencia Is., Colombia: 13.20 N. 81.25 W. 69
Providenciales, Turks & Caicos Is., (U.K.): 21.44 N. 72.17 W. . 69
Provideniya, U.S.S.R.: 64.23 N. 173.18 W. 54
Provincetown, Mass., U.S.A.: 42.03 N. 70.11 W. 63
Prudhoe Bay, Alaska, U.S.A.: 70.20 N. 148.25 W. 54
Psara, Psara Is., Greece: 38.35 N. 25.36 E. 25
Pucallpa, Peru: 8.23 S. 74.30 W. 72
Pucisce, Yugoslavia: 43.22 N. 16.44 E. 24
Puck, Poland: 54.45 N. 18.25 E. 10
Puebla del Caraminal, see Caraminal.
Puerto Acevedo, see Acevedo.
Puerto Angel, Mexico: 15.39 N. 96.31 W. 69
Puerto Arlos, see Puerto Cortes.
Puerto Armuelles, Panama: 8.17 N. 82.52 W. 69
(incl. Oil Terminal: 8.12 N. 82.53 W.).
Max. Size: Depth 40 ft. (12.2 m.). Oil Terminal: 265,000 d.w.t., depth 50 ft. – 80 ft. *Fuel:* Not available. *Airport:* David, 100 km.
Puerto Ayacucho, Venezuela: 5.37 N. 67.40 W. 69, 72, 74
Puerto Barrios, Guatemala: 15.44 N. 88.36 W. 69
Max. Size: LOA 600 ft., draft 30 ft. *Fuel:* Not available.
Puerto Bayovar, see Bayovar.
Puerto Belgrano, Argentina: 38.53 S. 62.06 W. 72
Puerto Bello, Panama: 9.33 N. 79.40 W. 69
Puerto Borburata, Venezuela: 10.29 N. 67.59 W. 74
Puerto Bolivar, Colombia: 12.16 N. 71.57 W. 69
Max. Size: 150,000 d.w.t., LOA 300 m., beam 45 m., draft 17 m. *Fuel:* Not available. *Airport:* Nearest Barranquilla, 326 km.
Puerto Bolivar, Ecuador: 3.14 S. 80.01 W. 72
Max. Size: Depths alongside 30 ft. inner end to 36 ft. at quay head. *Fuel:* Limited supply available from Guayaquil. *Airport:* 6 km., connects with Guayaquil.
Puerto Borghi, see Borghi.
Puerto Bories, see Puerto Natales.
Puerto Bultagro, see Ramallo.
Puerto Cabello, Venezuela: 10.29 N. 68.01 W. 69, 73
(incl. Borburata, 10.29 N. 67.59 W.)
Max. Size: Bulk Cargo Pier: 32 ft. draft. Inner Port: 28 ft. draft. Tankers: 34 ft. draft. Borburata: 575 ft. LOA, 72 ft. beam, 31 ft. draft. *Dry Docks:* Capacity 35,000 tons.
Puerto Cabezas, Nicaragua: 14.01 N. 83.23 W. 69
Max. Size: LOA 400 ft., draft 19 ft. 6 in. *Fuel:* Gasoline, diesel oil and lubricants are supplied. *Airport:* 2 km., connects Managua.
Puerto Carreno, Colombia: 6.10 N. 67.42 W. 74
Puerto Carupano, see Carupano.
Puerto Castilla, Honduras: 16.00 N. 85.58 W. 69
Max. Size: Draft 36 ft. *Fuel:* Diesel/Bunker "C". *Airport:* La Ceiba, 122 miles.
Puerto Chicama, Peru: 7.42 S. 79.26 W. 72
Max. Size: Anchorage port. *Fuel:* Not available.
Puerto Colombia, Colombia: 11.00 N. 74.53 W. 69
Puerto Cortes, Honduras: 15.50 N. 87.55 W. 69
Max. Size: Draft 30 ft. *Fuel:* Diesel/Bunker "C". *Airport:* San Pedro Sula, 35 miles.
Puerto Cumaribo, Venezuela: 11.29 N. 69.21 W. 69, 73
Puerto de Hierro, Venezuela: 10.38 N. 62.05 W. 74
Max. Size: Depth 30 ft. (LW), 33 ft. (HW), 690 ft. LOA, 90 ft. beam. Bauxite Terminal: Draft 37 ft., 40,000 d.w.t. *Fuel:* Diesel in an emergency. *Airport:* Guiria, 1 hour voyage on launch – connects with Caracas.
Puerto de la Luz, see Las Palmas.
Puerto de Raos, see Santander.
Puerto de Santa Maria, Spain: 36.36 N. 6.12 W. 20
Puerto de Soller, see Soller.
Puerto de Velez, Spain: 36.47 N. 4.06 W. 22
Puerto del Musel, see Musel.
Puerto Deseado, Argentina: 47.46 S. 65.54 W. 72
Max. Size: Depth 27 ft. *Fuel:* Available by truck.
Puerto Duarte, Dominican Republic: 19.12 N. 69.26 W. 69
Max. Size: Depth 30 ft. *Fuel:* Available.
Puerto Galvan, see Bahia Blanca.
Puerto Granaderos, see San Lorenzo.
Puerto Guarello, see I. Madre de Dios.
Puerto Honduras, see Santa Cruz de Tenerife.
Puerto Ibicuy, Argentina: 33.39 S. 59.15 W. 75
Puerto Ingeniero Rocca, see La Plata.
Puerto Iradier, Equatorial Guinea: 1.02 N. 9.41 E. 28
Puerto Isabel, see Prinzapolca.
Puerto Jimenez, Costa Rica: 8.40 N. 83.15 W. 69
Puerto La Cruz (Terminal), Venezuela: 10.13 N. 64.38 W. . 69, 74
Max. Size: LOA 1,000 ft., safe draft alongside 55 ft. *Fuel:* Most grades available to ships loading.
Puerto Las Minas, see Bahia Las Minas.
Puerto Lempire, Honduras: 15.15 N. 83.35 W. 69
Puerto Libertador, see Manzanillo, Dominican Republic.
Puerto Limon, Costa Rica: 10.00 N. 83.01 W. 69
Max. Size: Depth 33 ft., LOA 300 ft. – 800 ft. Tankers: See Puerto Moin. *Fuel:* Any quantity. *Airport:* 5 miles, connects with San Jose.
Puerto Local, see Gijon.
Puerto Lopez, Colombia: 11.58 N. 71.18 W. 69, 73
Puerto Macias (Puerto Nuevo), Equatorial Guinea: 1.49 N. 9.44 E. 28
Max. Size: Depth 14 m. *Airport:* Close to Bata – connects with Malabo and Douala.
Puerto Madalena, Mexico: 24.38 N. 112.09 W. 57
Puerto Madero, Argentina, see Buenos Aires.
Puerto Madero, Mexico: 14.44 N. 92.25 W. 69
Max. Size: LOA 165 m., beam 25 m., draft 8 m. *Fuel:* Small quantities only. *Dry Docks:* None. *Airport:* Tapachula, 12 km.
Puerto Madryn, Argentina: 42.46 S. 65.02 W. 72
Max. Size: Depths to 55 ft. *Fuel:* By truck from Comodoro Rivadavia or Bahia Blanca. *Dry Docks:* None. *Airport:* Trefew, 64 km.
Puerto Maritime, see Guayaquil.
Puerto Mexico, see Coatzacoalos.
Puerto Miranda, Venezuela: 10.46 N. 71.34 W. 69, 73
Max. Size: 90,000 d.w.t., LOA 910 ft., beam 147 ft., draft 39.5 ft. *Fuel:* Available. *Airport:* Maracaibo.
Puerto Moin, Costa Rica: 10.00 N. 83.05 W. 69
Max. Size: Banabas: Depth 39 ft. Tankers: Depth 47 ft. Also see Puerto Limon.
Puerto Montt, Chile: 41.28 S. 72.57 W. 72
Max. Size: LOA 200 m., draft 8 m. plus height of tide. Tankers: 15,000 g.r.t. *Fuel:* Diesel only. *Airport:* 17 km., connects with Santiago.
Puerto Morelas, Mexico: 20.50 N. 86.55 W. 69
Puerto Natales, Chile: 51.44 S. 72.32 W. 72
(inc. Puerto Bories: 51.43 S. 72.33 W.)
Puerto Nuevo, Argentina, see San Nicolas.
Puerto Nuevo, Equatorial Guinea, see Puerto Macias.
Puerto Ordaz, Venezuela: 8.21 N. 62.43 W. 69, 74, 72
Max. Size: 115,000 d.w.t., LOA 289.5 m., beam 39 m. Draft authorised by Port Captain. *Fuel:* Bunker "C" and diesel.
Puerto Ordaz Terminal, see Punta Cuchillo.
Puerto Padre, Cayo Juan Claro, Cuba: 21.17 N. 76.32 W. 69
Max. Size: LOA 565 ft., draft 24 ft. Draft 25 ft. if LOA less than 500 ft. Max. LOA permitted 557 ft. *Fuel:* Not available.
Puerto Palenque, see Palenque.
Puerto Percy, see Port Percy.
Puerto Plata, Dominican Republic: 19.49 N. 70.41 W. 69
Max. Size: Depth 35 ft., length of quay 934 ft. *Fuel:* Diesel and fuel oil. *Airport:* International.
Puerto Princesa, Palawan, Philippines: 9.44 N. 118.43 E. . 45, 46
Max. Size: Draft 27 ft. (8.2 m.). *Fuel:* Diesel oil, gasoline and kerosene in drums. *Dry Docks:* None. *Airport:* 2 miles., connects with Manila.
Puerto Prodico, see Santa Marta, Colombia.
Puerto Quetzal, Guatemala: 13.55 N. 90.47 W. 69
Max. Size: LOA 210 m., beam 32 m., draft 10.5 m. *Fuel:* Available. *Airport:* 8 km.
Puerto Real, Spain: 36.32 N. 6.11 W. 20
PUERTO RICO 69
Puerto Rosales, see Bahia Blanca.
Puerto Rosario, see Rosario, Canary Is.
Puerto San Blas, Argentina: 40.34 S. 62.14 W. 72
Puerto Sandino, Nicaragua: 12.12 N. 86.46 W. 69, 72
(Incl. Tanker Sealine Terminal: 12.10 N. 86.49 W.).
Max. Size: Cargo vessels work at anchorage. Tankers at Sea Line Terminal up to 850 ft. LOA and 41 ft. draft. *Fuel:* Not available. *Airport:* Managua, 75 km.
Puerto San Martin, see San Martin.
Puerto Sauce, Uruguay: 34.26 S. 57.27 W. 75
Puerto Somoza, see Puerto Sandino.
Puerto Suarez, Bolivia: 18.58 S. 57.52 W. 72
Puerto Sucre, see Cumana.
Puerto Tarafa, see Nuevitas.
Puerto Vallarta, Mexico: 20.37 N. 105.16 W. 57
Puerto Viejo, see Azua.
Puerto Williams, Chile: 54.56 S. 67.37 W. 72
Max. Size: LOA 80 m., draft 15 ft., 2,500 g.r.t. *Dry Docks:* None. *Airport:* Local, 4 miles.
Puerto Zuniga, see Santa Marta.
Puget Sound, Washington, U.S.A. 56
Max. Size: Limit 125,000 d.w.t.
Pugwash, Nova Scotia, Canada: 45.50 N. 63.40 W. 60
Puka Puka, French Polynesia: 14.48 S. 138.49 W. 48

Pukou, China: 32.05 N. 118.40 E. 41
Pula, Yugoslavia: 44.52 N. 13.50 E. 24
Max. Size: Depth 17 ft. – 31 ft. *Fuel:* Available by barge from Rijeka. *Airport:* Local.
Pulap Is., Caroline Is., Micronesia: 7.38 N. 149.24 E. 45
Pulau Ayer Chawan, see Singapore.
Pulau Baai, see Bengkulu.
Pulau Bukom, see Singapore.
Pulau Naira, Indonesia: 4.32 S. 129.55 E. 45
Pulau Sambu, Indonesia: 1.09 N. 103.54 E. 38
Max. Size: 60,000 d.w.t., LOA 225 m., depth 10.5 m.
Fuel: Advise suppliers at least 15 days before ETA. Bunkers available: Fuel oil and MDO. *Airport:* Hang Nadim on Batam Island.
Pulau Sebarok, see Singapore.
Pulawat Is., Caroline Is., Micronesia: 7.22 N. 149.11 E. 45
Pulmoddai, Sri Lanka: 8.55 N. 80.59 E. 37
Max. Size: Open roadstead.
Pulo Anna: 4.39 N. 131.58 E. 45
Pulupandan, Negros, Philippines: 10.30 N. 122.46 E. . . . 45, 46
Max. Size: LOA 200 m., draft 30 ft. *Fuel:* Available.
Dry Docks: None. *Airport:* Bacolod, 30 km.
Pulusuk Is., Caroline Islands, Micronesia: 6.40 N. 149.19 E. . . 45
Puna, Ecuador: 2.45 S. 79.55 W. 72
Punta Ancla, see Bahia Blanca.
Punta Arenas, Chile: 53.10 S. 70.54 W. 72
(Including Lenadura 53.12 S. 70.54 W.).
Max. Size: Pier: LOA 170 m., depth 22 ft. – 27 ft.
Lenadura: LOA 175 m., draft 23 ft., 20,000 tons displacement.
Magellan Straits: Draft 70 ft., except with authority's permission.
Fuel: Only diesel oil ex-barge. *Airport:* 18 km., connects Santiago.
Punta Bustamente, see Rio Gallegos.
Punta Cardon, Venezuela: 11.38 N. 70.14 W. 69, 73
Max. Size: Draft 45 ft. 6 in., LOA 900 ft., 62,000 tons displacement. *Fuel:* Available if advance notice given.
Dry Docks: Nearest Puerto Cabello and Curacao.
Punta Charambira, Columbia: 4.18 N. 77.30 W. 69
Punta Chavez, see Puerto Cabello.
Punta Ciguena, see Bahia Blanca.
Punta Colorada, Argentina: 41.41 S. 65.00 W. 72
Max. Size: Draft 11.58 m., LOA 220 m., 60,000 d.w.t.
Punta Cuchillo, Venezuela: 8.20 N. 62.47 W. 69, 74
Max. Size: Draft 43 ft., half of high tide required at Bar.
Fuel: Available.
Punta De Palmas, Venezuela: 10.24 N. 71.34 W. 69, 73
Max. Size: LOA 890 ft., draft 42 ft., 100,000 d.w.t.
Fuel: Heavy and medium marine diesel, intermediate fuel, and Bunker "C".
Punta del Este, see Maldonado.
Punta Delgada, Azores, (Portugal): 37.44 N. 25.40 W. 20
Punta el Gancho, see Rio Gallegos.
Punta Gorda, Cuba, see Moa.
Punta Gorda, Nicaragua: 11.30 N. 83.45 W. 69
Punta Gorda, Venezuela, see Caripito.
Punta Grossa, see Koper.
Punta Indio Channel, River Uruguay 75
Punta Loyola, see Rio Gallegos.
Punta Marieta, see Caripito.
Punta Medanos, Argentina: 36.50 S. 56.40 W. 72
Max. Size: New port expected to accept vessels up to 50 ft. draft.
Punta Molino, see Gaeta.
Punta Penasco, Mexico: 31.20 N. 113.35 W. 57
Punta Penna, see Vasto.
Punta Quilla, Argentina: 50.07 S. 68.25 W. 72
Max. Size: Length of quay 160 m., depth 40 ft.
Fuel: Available.
Punta Salinas, see Antilla.
Punta Santiago, Equatorial Guinea: 3.12 N. 8.40 E. 28
Punta Tablones, see Ilo.
Puntarenas, Costa Rica: 9.58 N. 84.49 W. 69, 72
Max. Size: Depth 9 m. (All cargo operations handled at Caldera). *Fuel:* Not available.
Punto Fijo, see Amuay Bay.
Purcell, see Road Harbour.
Purfleet, see London.
Puri, India: 19.47 N. 85.50 E. 37
Purmerend, Netherlands: 52.30 N. 5.03 E. 7
Pusan, see Busan.
Pushthrough, Newfoundland, Canada: 47.38 N. 56.11 W. 60
Puttalam, Sri Lanka: 8.13 N. 79.42 E. 37
Puttgarden, Fehmarn Is., Germany: 54.28 N. 11.15 E. 10, 11
Pwllheli, U.K.: 52.53 N. 4.25 W. 5
Pyarnu, U.S.S.R.: 58.23 N. 24.29 E. 10
Max. Size: Draft 4 m. *Fuel:* Available.
Pyeong Taek, South Korea: 36.57 N. 126.01 E. 41
Max. Size: 100,000 d.w.t.
Pylos (Incl. Sfaktiria and Navarino Bay), Greece:
36.55 N. 21.42 E. 24, 25
Max. Size: Any size vessel can anchor in Navarino Bay. Pylos is only suitable for small vessels up to 15 ft. draft.
Fuel: Mamidakis Fuel Installations at Sfaktiria Island.
Airport: Kalamata, 40 km.
Pyongyang, North Korea: 39.00 N. 125.40 E. 41
Pyrmont, see Sydney, Australia.

NOTES, ADDITIONS, CORRECTIONS

Please also advise:
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Q

Qaboos, see Port Qaboos.
Qadima, see Al Qadimah.
Qantara, Egypt: 30.50 N. 32.16 E. 33
Qaqortoq, Greenland, (Denmark): 60.43 N. 46.02 W. 17
Max. Size: Largest to berth – LOA 110 m., draft 7.0 m.
Fuel: Gas oil available. *Airport:* Heliport.
Qasim, see Port Muhammad Bin Qasim.
Qasr Ahmed, see Misurata.
QATAR 31, 35
Qeis Is., Iran: 26.30 N. 54.00 E. 35
Qeqertarsuaq, Greenland, (Denmark): 69.14 N 53.32 W 17
Max. Size: Largest to berth – LOA 100 m., draft 6.5 m.
Qeshm, Iran: 26.58 N. 56.16 E. 31, 35
Qeshm Is., Iran 31, 35
Qingdao, China: 36.03 N. 120.20 E. 41
Max. Size: Depth 34 ft. Tankers: Depth 41 ft.
Fuel: Available. *Airport:* Qingdao.
Qinhuangdao, China: 40.00 N. 119.30 E. 41
Max. Size: Depth 5.7 m. – 13.3 m. *Fuel:* Available.
Dry Docks: 2 available, max. 240 m. × 6.0 m. over sill.
Qornuq, Greenland, (Denmark): 64.32 N. 51.06 W. 17
Qua Iboe Terminal, Nigeria: 4.20 N. 7.59 E. 28
Max. Size: Draft 72 ft. *Fuel:* Not available.
Quang Ngai, Vietnam: 15.15 N. 109.00 E. 38
Quang Ninh, Vietnam: 20.58 N. 107.04 E. 38
Max. Size: LOA 185 m., draft 10.5 m.
Quanzhou, China: 24.55 N. 118.30 E. 41
Max. Size: Draft 8.5 m. in channel. *Fuel:* Available.
Quatsino, British Columbia, Canada: 50.32 N. 127.37 W. 56
Quebec, Canada 59, 60, 61
Quebec, Quebec Province, Canada: 46.49 N. 71.12 W. 60
Max. Size: Draft limit: 47 ft. Winter, 50 ft. Summer. No limit on LOA and beam. *Fuel:* Available. *Dry Docks:* 350.5 m. by 36.6 m. at gate entrance. *Airport:* 20 km.
Queen Charlotte, British Columbia, Canada: 53.15 N. 132.03 W. 56
Queen Charlotte Is., British Columbia, Canada 56
Queen Charlotte Sound, British Columbia, Canada 56
Queenborough, see Sheerness.
Queens, New York, U.S.A. 63
Queenscliff, Victoria, Australia: 38.16 S. 144.40 E. 49, 50
Queensferry, see Rosyth.
Queensland, (Qld.), Australia 48, 49
Queenstown, see Cobh.
Quelimane, Mozambique: 17.53 S. 36.53 E. 30
Quellon, Chile: 43.08 S. 73.38 W. 72
Quelpart Is., South Korea 41, 45
Quemchi, Chile: 42.09 S. 73.28 W. 72
Quemoy, see Chin-men.
Quepos, Costa Rica: 9.25 N. 84.10 W. 69
Quequen, Argentina: 38.35 S. 58.42 W. 72
Max. Size: LOA 175 m. and draft 31 ft. 1 in. or LOA 215 m. and draft 27 ft. 1 in. LOA 220 m. with permission.
Fuel: By truck from Buenos Aires, Mar del Plata, or Bahia Blanca. *Airport:* 5 miles, domestic.
Quesnel, British Columbia, Canada: 53.05 N. 122.30 W. 56
Quezon, Palawan, Philippines: 9.05 N. 118.00 E. 38, 46
Quiberon, France: 47.30 N. 3.08 W. 19
Quiliano Terminal, Italy: 44.17 N. 8.28 E. 24
Max. Size: Draft 70 ft. *Fuel:* Supplied by barge.
Quillebeuf, France: 49.28 N. 0.31 E. 7, 8
Quilon, India: 8.52 N. 76.35 E. 37
Quimper-Corniquel, France: 47.58 N. 4.07 W. 19
Max. Size: At Spring tides: LOA 78 m., beam 12 m., 4.95 m. At neap tides: LOA 72 m., beam 12 m., draft 3.40 m. Tankers: Draft 3.5 m. – 4.1 m.
Fuel: Can be supplied by lorries. *Airport:* 5 km.
Quincy, Massachusetts, U.S.A.: 42.15 N. 70.58 W. 60, 63
Max. Size: See Boston.
Quinfuquena Terminal, Angola: 6.20 S. 12.14 E. 29
Max. Size: RMD: Draft 47 ft. S.B.M.: 250,000 d.w.t., depth 120 ft. *Fuel:* Not available.
Quinga, Mozambique: 15.50 S. 40.15 E. 30
Quintero, Chile: 32.47 S. 71.33 W. 72
Max. Size: SBM: LOA 342 m., draft 25.5 m., 215,000 tons displacement. Quay: LOA 175 m., draft 32 ft. Chemicals: Draft 41 ft. *Fuel:* Only available in Valparaiso.
Airport: Nearest Santiago.
Quirpon, Newfoundland, Canada: 51.36 N. 55.29 W. 60
Quoin Island, Oman: 26.31 N. 56.31 E. 35
Quonset, Rhode Is., U.S.A.: 41.35 N. 71.24 W. 63
Quseir, Egypt: 26.06 N. 34.17 E. 32
Qutdligssat, Greenland, (Denmark): 70.02 N. 53.00 W. 17
Quy Nhon, Vietnam: 13.46 N. 109.14 E. 38
Max. Size: LOA 140 m., draft 7.0 m.
Fuel: Supply not guaranteed. *Airport:* Pha Chat, 35 km.

R

Raa, Sweden: 56.00 N. 12.45 E. 11
Raahe, Finland: 64.41 N. 24.29 E. 9, 15
Max. Size: Lapaluoto Harbour: Depth 5.4 m. – 6.7 m. Rautaruukki Oy Harbour: Depth 7.4 m. – 9.05 m. Ore Harbour: Depth 6.7 m. *Fuel:* Small quantities only.
Dry Docks: None. *Airport:* Oulu, 60 km.
Rab, Yugoslavia: 44.45 N. 14.46 E. 24
Rabac, Yugoslavia: 45.05 N. 14.10 E. 24
Rabat, Morocco: 34.03 N. 6.49 W. 27
Rabaul, Papua New Guinea: 4.12 S. 152.10 E. 45, 48
(incl. Kokopo: 4.20 S. 152.17 E.).
Max. Size: Depth at LAT 10.2 m. *Fuel:* Diesel and distillate.
Airport: 4 km.
Rabigh, Saudi Arabia: 22.45 N. 39.00 E. 32
Max. Size: LOA 400 m., draft 23.0 m.
Fuel: Not available at present. *Airport:* Jeddah, 150 km.
Rabon Grande S.P.M., Mexico: 18.14 N. 94.23 W. 69
Max. Size: Arrival draft if over LOA 300 m.: Forward 20 ft., Aft., 32 ft.
Racine, Wisconsin, U.S.A.: 42.43 N. 87.47 W. 62
Rade, see Schirnau.
Radicatel, see Tancarville.
Rafah, Egypt: 31.19 N. 34.13 E. 32
Rafina, Greece: 38.01 N. 24.01 E. 25
Rafnes, see Heroya.
Rafti, see Porto Rafti.
Ragged Is., Bahamas: 22.15 N. 75.45 W. 69
Raglan, New Zealand: 37.53 S. 174.54 E. 52
Raha, Indonesia: 4.51 S. 122.45 E. 45
Raheita, Ethiopia: 12.45 N. 43.05 E. 31, 32
Rahja, Finland: 64.13 N. 23.43 E. 15
Raiatea, Society Is., (French Polynesia) 48
Rainer, Oregon, U.S.A.: 46.05 N. 122.56 W. 57
Rainham Creek, see Medway.
Rairi, see Port Redi.
Raivavae, Austral Is., French Polynesia: 23.52 S. 147.41 W. 48
Rajang, Sarawak, Malaysia: 2.09 N. 111.15 E. 38
Max. Size: See Tanjong Manis.
Rakahanga Is., Cook Is., (New Zealand): 9.58 S. 161.01 W. 48
Raleigh Bay, North Carolina, U.S.A. 63
Ramallo, Argentina: 33.32 S. 59.59 W. 75
Max. Size: LOA 200 m., depths to 30 ft. *Fuel:* Not available.
Ramba, Indonesia: 2.37 S. 104.08 E. 38
Max. Size: Jetty: 10,000 d.w.t., LOA 90 m., depth 6 m. Tankers: Depth 16.5 m. – 22 m. *Fuel:* Available at jetty.
Airport: Palembang.
Ramea Is., Newfoundland, Canada: 47.30 N. 57.23 W. 60
Ramsburg, see Georgetown, Guyana.
Ramsey, (Isle of Man), U.K.: 54.19 N. 4.21 W. 5
Max. Size: LOA 70 m., beam 13 m., depth 5.5 m. (MHWS).
Fuel: 24 hours notice. *Airport:* 25 km.
Ramsgate, U.K.: 51.20 N. 1.24 E. 6, 7
Max. Size: Royal Harbour: LOA 105 m., draft 4.8 m. Western Terminal: Depth 6.5 m. *Fuel:* Available.
Airports: Manston (3 miles) and Gatwick.
Ramshall, see Norrkoping.
Ramvik, see Gustafvik.
Randers, Denmark: 56.29 N. 10.04 E. 10, 11
Max. Size: LOA 475 ft., beam 57 ft., draft 19 ft.
Fuel: All grades by lorry. *Airport:* Tirstrup, 40 km.
Ranea, Sweden: 65.55 N. 22.20 E. 15
Rangiora, New Zealand: 43.20 S. 172.35 E. 52
Rangiroa, Tuamotu Archipelago, French Polynesia: 15.05 S. 147.35 W. 48
Rangoon, see Yangon.
Rankin Inlet, N.W. Territories, Canada: 62.48 N. 92.06 W. 59
Raos, see Puerto de Raos.
Raoul Is., Kermadec Is., New Zealand: 29.08 S. 177.52 W. 48
Rapa Is., French Polynesia 48
Rapallo, Italy: 44.21 N. 9.13 E. 24
Rapasaari, see Saimaa Lake.
Rapid Bay, S.A., Australia: 35.32 S. 138.12 E. 49, 50
Max. Size: LOA 165 m., draft 28 ft. *Fuel:* Not available.
Dry Docks: None. *Airport:* Adelaide, 60 miles.
Raritan Bay, New Jersey, U.S.A. 63
Raroia, Tuamotu Archipelago, French Polynesia: 16.01 S. 142.26 W. 48
Rarotonga Is., Cook Is., (New Zealand) 48
Ras Abu Khomis, Saudi Arabia: 24.21 N. 51.36 E. 35
Ras al Ghar, Saudi Arabia: 27.32 N. 49.13 E. 35
Ras Al Hadd, Oman: 22.29 N. 59.45 E. 31
Ras-Al-Khafji, Saudi Arabia: 28.25 N. 48.32 E. 35
Max. Size: Draft 64 ft. – 66 ft., 300,000 d.w.t.
Fuel: Available. *Dry Docks:* None.
Airport: Kuwait, 110 km., Dhahran, 325 km.

Ras Al-Khaimah, U.A.E.: 25.45 N. 56.01 E. 35
Max. Size: Depth 3 m., see also Mina Saqr.
Ras Al Kuh, Iran: 25.48 N. 57.18 E. 35
Ras Al Mishab, Saudi Arabia: 28.13 N. 48.43 E. 31, 35
Max. Size: Draft 33 ft. (35 ft. planned). *Fuel:* Not available.
Ras Alkatheeb, Yemen: 14.55 N. 42.53 E. 32
Max. Size: Max. draft of 26 ft. at HW.
Ras at Tin, Libya 24
Ras Bahregan, Iran: 29.43 N. 50.10 E. 35
Max. Size: Up to 250,000 d.w.t. Depth at SBM is 24 m. (78 ft. 9 in.) LW. *Fuel:* Not available.
Ras Banas, Egypt: 23.55 N. 35.50 E. 32
Ras Barida, Saudi Arabia: 24.18 N. 37.30 E. 32
Ras Budran, Egypt: 26.56 N. 33.08 E. 32
Max. Size: 250,000 d.w.t., draft 18 m. *Fuel:* Not available.
Ras Dubayyah, U.A.E.: 24.19 N. 54.08 E. 35
Ras El Ish, Egypt: 31.09 N. 32.17 E. 33
Ras Es Sider, see Es Sider.
Ras Fartak, Yemen: 15.40 N. 52.15 E. 31
Ras Gharib, Egypt: 28.21 N. 33.06 E. 32
Max. Size: Draft 55 ft., LOA 980 ft. *Fuel:* Not available.
Ras Hafun, see Dante.
Ras Isa Marine Terminal, Yemen: 15.08 N. 42.36 E. 32
Max. Size: 400,000 d.w.t., depth 33 m. *Fuel:* Not available.
Ras Lanuf, Libya: 30.31 N. 18.35 E. 24
Max. Size: Conventional berths: 56 ft. draft; 130,000 d.w.t. Single Point Mooring: 75 ft. draft, 265,000 d.w.t. GASCO: 50,000 d.w.t., LOA 250 m., draft 12.5 m. *Fuel:* Not available.
Ras Madrakah, Oman: 18.55 N. 57.52 E. 31
Ras Selaata, Lebanon: 34.17 N. 35.40 E. 26
Max. Size: Up to 21 ft. draft. Sela'ata Terminal: Draft 13.0 m. *Fuel:* Diesel available. *Airport:* Beirut or Kleiate.
Ras Shukheir, Egypt: 28.08 N. 33.17 E. 32
Max. Size: Draft 55 ft., LOA 1,000 ft. *Fuel:* Not available.
Ras Sudr, see Sudr.
Ras Tanajib, Saudi Arabia: 27.46 N. 48.35 E. 35
Ras Tanura, Saudi Arabia: 26.38 N. 50.10 E. 31, 35
Max. Size: Sea Island: Max. departure draft 19.48 m. plus height of tide. *Fuel:* Available at all berths. *Airport:* Dhahran.
Ras Zubayyah, see Ras Dubayyah.
Rasa, Yugoslavia: 45.02 N. 14.03 E. 17
Max. Size: Depth 11 m. *Airport:* Nearest Pula.
Rashau Is., Kurile Is., U.S.S.R.: 47.40 N. 152.50 E. 42
Rashid, see Port Rashid.
Rasta, see Stockholm.
Rat Is., (Aleutian Islands), Alaska, U.S.A. 54
Ratan, Sweden: 64.00 N. 20.54 E. 15
Rathmullen, Eire: 55.05 N. 7.31 W. 5
Max. Size: Draft 30 ft. *Fuel:* Available. *Airport:* 80 miles.
Ratnagiri, India: 16.58 N. 73.17 E. 37
Raufarhofn, Iceland: 66.27 N. 15.55 W. 17
Rauma, Finland: 61.08 N. 21.30 E. 9, 15
Max. Size: Draft 9 m. *Fuel:* By tank-trucks. *Dry Docks:* 159 m. × 21.7 m. × 7.3 m. *Airport:* Pori, 50 km.
Rautaruukki, see Raahe.
Ravenna, Italy: 44.25 N. 12.12 E. 21, 24
Max. Size: San Vitale Basin: Draft 28 ft. ENEL (Oil Platform No. 4): LOA 270 m., draft 11.5 m. *Fuel:* Available by barge. *Dry Docks:* Floating dock 1,000 tons. *Airport:* Forli, 25 km.
Ravensbourne, see Dunedin.
Rawene, New Zealand: 35.25 S. 173.30 E. 52
Raymond, see Willapa.
Raysut, see Port Raysut.
Razdolnoye, U.S.S.R.: 45.40 N. 33.10 E. 26
Real, see Puerto Real.
Ream, Cambodia: 10.32 N. 103.37 E. 38
Reao, French Polynesia: 18.31 S. 136.22 W. 48
Rebun Is., Japan: 45.25 N. 141.00 E. 42
Recalada Lightship, River Plate: 34.41.04 S. 57.57.05 W. . . . 75
Recanati, see Porto Recanati.
Recife, Brazil: 8.04 S. 34.52 W. 1, 72
Max. Size: LOA 220 m., draft 31 ft. Tankers: Draft 30 ft. (HW). *Fuel:* Available. *Airport:* 9 miles.
Red Rock, Ontario, Canada: 48.56 N. 88.15 W. 62
Red Sea 21, 31, 32, 33
Red Tank, Panama Canal, Panama: 9.01 N. 79.36 W. 70
Redcar, U.K.: 54.37 N. 1.04 W. 5, 6
Max. Size: Ore Terminal: Dredged to 17.3 m. for vessels 305 m. LOA, 150,000 d.w.t. Also see Teesport.
Redhook C.T., see New York.
Redl, see Port Redi.
Redon, France: 47.39 N. 2.05 W. 19
Redwood City, California, U.S.A.: 37.50 N. 122.28 W. . . . 56, 58
Max. Size: Controlling depth 30 ft. (MLLW), depth alongside 36 ft. See also San Fransisco.
Reedham, U.K.: 52.34 N. 1.34 E. 5
Reedsport, Oregon, U.S.A.: 43.43 N. 124.05 W. 57
Reerso, Denmark: 55.31 N. 11.07 E. 11
Refuge, see Cocos Is.
Regencia, Brazil: 19.41 S. 39.41 W. 72
Max. Size: 50,000 g.r.t., draft 13 m.
Reggio, Italy: 38.05 N. 15.35 E. 21, 24
Regneville, France: 48.58 N. 1.33 W. 7
Reine, Norway: 67.56 N. 13.06 E. 15
Rekefjord, Norway: 58.20 N. 6.16 E. 10
Rembang, Indonesia: 6.41 S. 111.21 E. 38
Remire, Guyane: 4.52 N. 52.11 W. 72
Rendsburg, Germany: 54.18 N. 9.40 E. 10, 11, 12
Max. Size: Draft 9.5 m., air draft 40 m. *Fuel:* By truck.
Rene, U.S.S.R.: 66.01 N. 178.50 W. 54
Renfrew, see Glasgow.
Renfrew, see Port Renfrew.
Reni, U.S.S.R.: 45.26 N. 28.18 E. 26
Max. Size: Depth 7.5 m. *Fuel:* Available. *Dry Docks:* None.
Rennell Is., Solomon Is.: 11.36 S. 160.15 E. 48
Rensselaer, see Albany, New York.
Reposaari, Finland: 61.37 N. 21.27 E. 15
(incl. Tahkoluoto: 61.38 N. 21.25 E.)
Max. Size: Draft 3.9 m. Tahkoluoto Oil Harbour: Draft 10 m. Bulk Harbour: 10 m. Also see Mantyluoto.
Repulse Bay, N.W.Territories, Canada: 66.30 N. 86.15 W. . . . 59
Reserve, Louisiana, U.S.A.: 30.03 N. 90.33 W. 67
Resolution Is., N.W. Territories, Canada: 61.30 N. 67.00 W. . . 59
Resolution Is., New Zealand: 45.40 S. 166.40 E. 52
Rethimnon, (Crete), Greece: 35.14 N. 24.38 E. 25, 26
REUNION IS., (FRANCE) 30
Revere, see Boston.
Revilla Gigedo Islands, Mexico 48, 57
Rey Malabo, Equatorial Guinea: 3.46 N. 8.48 E. 28, 29
Max. Size: Draft aft of 24 ft.
Reykjavik, Iceland: 64.09 N. 21.56 W. 17
Max. Size: Longest straight quay 315 m. Depth 26 ft. at MLWST. *Fuel:* Grade of fuel oil 200-400 sec. *Dry Docks:* Slipways available up to 2,000 metric tons. Length 85 m., breadth 13.6 m. *Airport:* 10 minute drive.
Rhoades, see Port Rhoades.
Rhode Island, U.S.A. 60, 62, 63
Rhodes (incl. Akantias), Greece: 36.25 N. 28.17 E. 21, 25, 26
Max. Size: Up to 24 ft. draft. *Fuel:* By tank-trucks. *Airport:* 15 km.
Rhum, U.K.: 57.02 S. 6.18 W. 5
Rhyl, U.K.: 53.19 N. 3.29 W. 5, 6
Riacho, see Aracruz.
Riachuelo, see Buenos Aires.
Ribachiy Peninsula, U.S.S.R. 16
Ribadeo, Spain: 43.32 N. 7.02 W. 19, 20, 22
Max. Size: Draft 15 ft. *Fuel:* Gas oil supply for small vessels. *Airport:* Corunna, 150 km.
Ribadesella, Spain: 43.28 N. 5.05 W. 19
Ribe, Denmark: 55.20 N. 8.45 E. 10
Ribnitz, Germany: 54.15 N. 12.25 E. 10, 11
Riccione, Italy: 44.02 N. 12.40 E. 24
Richards Bay, South Africa: 28.48 S. 32.06 E. 30
Max. Size: LOA 314 m., beam 47.25 m., draft 17.5 m., 170,000 d.w.t. *Fuel:* Available. *Airport:* 26 km., connects Johannesburg.
Richards Landing, Ontario, Canada: 46.18 N. 84.02 W. 62
Richborough, U.K.: 51.18 N. 1.12 E. 6
Max. Size: LOA 60 m., draft 3.6 m.
Richibucto, New Brunswick, Canada: 46.41 N. 64.52 W. . . . 60
Richmond, New Zealand: 41.05 S. 173.10 E. 52
Richmond, California, U.S.A.: 37.56 N. 122.25 W. . . . 55, 57, 58
Max. Size: Channel depth 35 ft. Cargo: Depth 12 ft. – 50 ft. Tankers: Depths up to 38 ft. *Fuel:* Many grades. See also San Francisco.
Richmond, Virginia, U.S.A.: 37.32 N. 77.25 W. 60, 63, 65
Max. Size: Length recommended by Pilots 559 ft., draft 21 ft. 6 in. any tide. *Fuel:* Available. *Airport:* 10 miles.
Richmond, see Stapleton.
Richmond, see Philadelphia.
Richmond River, see Ballina.
Ridham Dock, U.K.: 51.23 N. 00.46 E. 5, 7
Max. Size: LOA 102 m., beam 16.8 m., draft 6.7 m. *Airport:* London (Gatwick and Heathrow).
Riga, U.S.S.R: 56.58 N. 24.06 E. 7, 10
Max. Size: LOA 225 m., draft 10 m. (FW). Draft for lighterage 12.50 m. (FW). *Fuel:* Available. *Airport:* Internal.
Rigaih, see Calang.
Rigolet, Newfoundland, Canada: 54.10 N. 58.24 W. 59
Rishiri Is., Japan: 45.10 N. 141.10 E. 42
Rijeka, Yugoslavia: 45.19 N. 14.26 E. 21, 24
(incl. Sepen)
Max. Size: LOA 200 m., draft 32 ft. 10 in. Containers: Draft 11 m. Bulk: Draft 42 ft. 6 in. *Fuel:* All grades. *Dry Docks:* 25,000 tons lifting capacity. *Airport:* Krk Island, 28 km.

Rijnpoort, see Rotterdam.
Rikitea, Gambier Is., French Polynesia: 23.08 S. 134.57 W. . 48
Rilaks, Finland: 59. 57 N. 23.05 E. . 10
Rimini, Italy: 44.05 N. 12.34 E. . 24
Rimouski, Quebec, Canada: 48.25 N. 68.34 W. . 60
Max. Size: LOA 210 m., depth 7.3 m. *Fuel:* Available.
Dry Docks: Les Mechins, 70 miles.
Ringi Cove, Solomon Is.: 8.07 S. 157.06 E. . 48
Ringkobing, Denmark: 56.05 N. 8.15 E. . 10
Rio, see Patras.
Rio Abajo, Panama: 9.00 N. 79.31 W. . 70
Rio Benito, Equatorial Guinea: 1.35 N. 9.35 E. . 28
Rio Bueno, see Port Rhoades.
Rio Chico, Venezuela: 10.20 N. 66.00 W. . 69, 74
Rio de Janeiro, Brazil: 22.54 S. 43.12 W. . 72
Max. Size: Depths alongside to 13 m. Tankers (Torgua): Draft 15.8 m. (LW), 135,000 d.w.t. *Fuel:* At tanker terminal.
Dry Docks: 33,000 d.w.t. *Airport:* International.
Rio Gallegos, Argentina: 51.33 S. 68.59 W. . 72
(incl. Punta Loyola)
Max. Size: 22 ft. in the pool at the port at LW. Height of tide up to 40 ft. Punta Loyola: New berth to receive vessels 224 m. LOA, draft 13.29 m. *Fuel:* Available in drums or ex-truck from Comodoro Rivadavia. *Airport:* Daily to Buenos Aires.
Rio Grande, Argentina: 53.47 S. 67.42 W. . 72
Rio Grande, Brazil: 32.03 S. 52.05 W. . 72
Max. Size: Draft 40 ft. *Fuel:* Available.
Dry Docks: None. *Airport:* Nearest Porto Alegre.
Rio Haina, Dominican Republic: 18.25 N. 70.01 W. . 69
Max. Size: Draft 30 ft. 6 in. *Fuel:* Available.
Rio Marina, Italy: 42.49 N. 10.26 E. . 24
Rio Nunez, see Port Kamsar.
Rio Pacaja, Brazil: 2.48 S. 50.50 W. . 72
Rio Santiago, see La Plata.
Rio Tuba, Palawan, Philippines: 8.30 N. 117.26 E. . 38, 46
Max. Size: 23,800 d.w.t. *Fuel:* Not available.
Rio Viejo, Panama: 9.25 N. 79.49 W. . 70
Riohacha, Colombia: 11.50 N. 72.50 E. . 69, 73
Rioverde, Ecuador: 1.00 S. 79.32 W. . 69
Riposto, (Sicily), Italy,: 37.44 N. 15.13 E. . 24
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Risor, Norway: 58.43 N. 9.14 E. . 10
Max. Size: 10,000 d.w.t., draft 28 ft. *Fuel:* Not available.
Dry Docks: None. *Airport:* 10 miles.
Ristiina, Finland: 61.32 N. 27.17 E. . 9
Max. Size: See Saimaa Lake.
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Yukon, Yukon, U.S.A./Canada 54
Zambeze, Mozambique 30

Riverdale, New Zealand: 41.00 S. 176.00 E. 52

Riverhead, (Long Is.), New York, U.S.A.: 41.00 N. 72.39 W. 63
Max. Size: LOA 1,150 ft., draft 62 ft., 225,000 d.w.t.
Fuel: Available if pipelines in black oil service, also available by barge. *Dry Docks:* At New York.
Airport: New York, 80 miles.

Riverton, New Zealand: 46.20 S. 168.00 E. 52

Riviere du Loup, Quebec, Canada: 47.49 N. 69.30 W. 60

Rize, Turkey: 41.02 N. 40.34 E. 26

Road Harbour & Port Purcell, Tortola, British Virgin Islands, (U.K.): 18.25 N. 64.37 W. 69, 71
Max. Size: Port Purcell: Draft 22 ft.
Fuel: Diesel only for small vessels. *Airport:* Beef Island, 7 miles.

Roatan Is., Honduras: 16.18 N. 86.35 W. 69

Robal, Panama: 9.00 N. 82.15 W. 69

Roberts Bank, British Columbia, Canada: 49.03 N. 123.09 N. 56
Max. Size: 250,000 d.w.t. and draft 75 ft. See also Vancouver.

Robertsport, Liberia: 6.45 N. 11.24 W. 27

Robinson Crusoe Is., Chile: 33.36 S. 78.48 W. 72

Roca Partido Is., Revilla Gigedo Islands, (Mexico): 18.57 N. 112.08 W. 57

Rocas Is., Brazil: 4.00 S. 34.02 W. 72

Roche Bernard, France: 47.31 N. 2.18 W. 19

Roche Harbour, Washington, U.S.A.: 48.37 N. 123.10 W. 56

Rochefort Sur Mer, France: 45.56 N. 00.57 W. 8, 19
Max. Size: LOA 116 m., beam 16.5 m., draft 6.3 m. at Spring tides, 5.6 m. at Neap tides. See also Tonnay Charente.

Rochester, U.K.: 51.23 N. 00.30 E. 6, 7
Max. Size: LOA 122 m., draft 7.6 m. *Fuel:* Available.
Dry Docks: Slipway for up to 140 ft. *Airport:* London Heathrow.

Rochester, New York, U.S.A.: 43.17 N. 77.36 W. 55, 60, 62
Max. Size: Channel depth 20 ft. (LW). Depth alongside 10 ft. – 16 ft.
Fuel: Direct from trucks. *Airport:* 10 miles.

Rochford, U.K.: 51.35 N. 0.44 E. 7

Rock Sound, Eleuthera Is., Bahamas: 24.54 N. 76.12 W. 69

Rockhampton, Queensland, Australia: 23.24 S. 150.33 E. 48, 49
Max. Size: Channel depth 24 ft. (LWOST). 2 ft. keel clearance required. Berth: Depth 32 ft. *Fuel:* All grades available by road tanker. *Airport:* 43 miles.

Rockland, Ontario, Canada: 45.32 N. 75.19 W. 61

Rockland, Maine, U.S.A.: 44.06 N. 69.05 W. 60

Rockport, Ontario, Canada: 44.23 N. 75.56 W. 61

Rockport, Florida, U.S.A., see Tampa.

Rockport, Texas, U.S.A.: 28.01 N. 97.03 W. 66

Rocky Point, W.A., Australia: 33.30 S. 123.59 E. 49

Rocky Point, Jamaica, see Salt River.

Rodby, Denmark: 54.42 N. 11.24 E. 10, 11
Max. Size: Largest vessel: LOA 80 m., draft 4.5 m.
Fuel: Available. *Airport:* Maribo, 14 km.

Roddickton, Newfoundland, Canada: 50.51 N. 56.08 W. 60

Rodosto, see Tekirdag.

Rodoy, Norway: 66.39 N. 13.05 E. 15

Rodrigues Is., Mauritius: 19.40 S. 63.25 E. 30

Rodvig, Denmark: 55.15 N. 12.23 E. 11

Roes Welcome Sound, N.W. Territories, Canada 59

Rogers City, Michigan, U.S.A.: 45.26 N. 83.49 W. 62

Rognan, see Saltdal.

Roja, U.S.S.R.: 57.40 N. 22.33 E. 10

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Romanso do Pontal, see Altamira.

Romblon Is., Philippines: 12.35 N. 122.16 E. 46

Rome, see Georgetown.

Rompin, Malaysia: 2.43 N. 103.30 E. 38, 39
Max. Size: Anchorage port.

Roncador Cay, (Colombia): 13.35 N 80.03 W. 69

Rondeau, Ontario, Canada: 42.15 N. 81.55 W. 62

Ronehamn, Sweden: 57.10 N. 18.30 E. 10

Ronnang, see Stenungsund.

Ronne, Denmark: 55.06 N. 14.42 E. 9, 10
Max. Size: LOA 400 ft. – 450 ft., draft 22 ft.
Tankers: LOA 300 ft., draft 22 ft. *Fuel:* Most grades.
Dry Docks: Up to 350 tons.
Airport: 3 miles, connects Copenhagen.

Ronneby, Sweden: 56.10 N. 15.17 E. 10
Max. Size: Limit is depth in fairway: 20 ft. 9 in.
Tankers: Draft 20 ft. 6 in. *Fuel:* Diesel oil. *Dry Docks:* None.
Airport: 6 miles, connects with Stockholm, etc.

Ronnskarsverken, see Skelleftehamn.

Roquetas del Mar, Spain: 36.45 N. 2.37 W. 22

Rorvig, Denmark: 55.56 N. 11.45 E. 11

Rorvik, Norway: 64.52 N. 11.15 E. 15

Rosales, see Bahia Blanca.

Rosario, Argentina: 32.57 S. 60.33 W. 75
Max. Size: Max. draft in river 27 ft. Up to 35 ft. depth at berths. *Fuel:* All grades. *Dry Docks:* None.
Airport: 16 km., connects with Buenos Aires.

Rosario, Fuerteventura, Canary Islands, (Spain): 28.30 N. 14.00 W. 27

Rosario, Philippines, see Manila.

Rosarito, Mexico: 32.20 N. 117.05 W. 57
Max. Size: Sea berths: Depth 50 ft. *Fuel:* Not available.

Rosas, Spain: 42.14 N 3.10 E. 22
Max. Size: Depth in Commercial Port is 4 m.
Fuel: Available to small vessels only.

Roscoff, France: 48.43 N. 3.59 W. 19
Max. Size: Depth 7 m. *Fuel:* Road tanker.
Airport: Morlaix, 13 miles, or Brest, 35 miles for London and Paris.

Rose Blanche, Newfoundland, Canada: 47.37 N. 58.44 W. 60

Roseau, Dominica: 15.17 N. 61.24 W. 69
Max. Size: Berth 500 ft. long, min. depth 36 ft. MLWOST.
Tankers: Draft 12 ft. – 18 ft. (25 ft. with stern discharge).
Fuel: Dieselene available in limited quantities.
Airport: Melville Hall, 37 miles (Inter-island services).

Rosetta, Egypt: 31.20 N. 30.20 E. 26

Rosfjord, see Lyngdal, Norway

Roskilde, Denmark: 55.39 N. 12.05 E. 11

Ross, New Zealand: 42.53 S. 170.49 E. 52

Rossano, Italy: 39.36 N. 16.39 E. 24

Rossel Is., Papua New Guinea: 11.21 S. 154.10 E. 48, 49

Rosslare, Eire: 52.16 N. 6.20 W. 5
Max. Size: Depth 6 m. (LWOST). *Fuel:* Not available.
Airports: Dublin 110 miles, Cork 134 miles, Waterford 51 miles.

Rostock, Germany: 54.09 N. 12.08 E. **9, 10, 11**
Max. Size: LOA 230 m., beam 32 m., draft 38 ft. (11.58 m.). Tankers: 50,000 d.w.t., LOA 230 m., draft 38 ft. *Fuel:* All grades. *Airport:* Berlin.
Rostov, U.S.S.R.: 47.11 N. 39.42 E. **21, 26**
Rosyth, U.K.: 56.01 N. 3.26 W. **5, 6**
(incl. Inverkeithing: 56.02 N. 3.24 W., St. Davids: 56.02 N. 3.22 W. and Queensferry: 56.01 N. 3.24 W.)
Rota, Northern Mariana Is.: 14.10 N. 145.10 E. **45**
Rota, Spain: 36.37 N. 6.21W. **20, 22**
Rothesay Dock, see Glasgow.
Roti, Indonesia **45**
Rotterdam, Netherlands: 51.55 N. 4.24 E. **7, 8**
Max. Size: Depths up to 13.5 m. Grain (Europoort): Draft 59 ft. Bulk (Europoort): Depth 74 ft. Tankers: Botlek – draft 41 ft., Pernis – draft 41 ft. *Fuel:* All types. *Dry Docks:* 500,000 d.w.t. *Airport:* 6 km. Also see Europoort.
Rottnest Is., W.A., Australia: 32.00 S. 115.30 E. **49**
Rotuma Is., Fiji: 12.30 S. 177.09 E. **48**
Rouen, France: 49.28 N. 1.04 E. **7, 8**
Max. Size: Draft about 37 ft., LOA over 280 m. *Fuel:* All grades. *Dry Docks:* For vessels up to 14,000 tons. *Airport:* Rouen-Boos.
Rouge River, Michigan, U.S.A.: 42.17 N. 83.06 W. **62**
Rousay, U.K.: 59.10 N. 3.00 W. **5**
Rovinj, Yugoslavia: 45.05 N. 13.38 E. **21, 24**
Rowan, see Port Rowan.
Rowhedge, see Wivenhoe.
Roxas, Negros, Philippines: 11.36 N. 122.43 E. **46**
Royalist Haven, Indonesia: 2.30 N. 109.01 E. **38**
Royan, France: 45.37 N. 1.02 W. **19**
Roytta, Finland: 65.46 N. 24.10 E. **15**
Roytta Ijo, Finland: 65.16 N. 25.13 E. **15**
Rozel, Channel Isles, (U.K.): 49.15 N. 2.03 W. **7**
Rozelle Bay, see Sydney, Australia.
Rozi, see Bedi Bunder.
Ruapuke Is., New Zealand: 46.46 S. 168.32 E. **52**
Rudkobing, Denmark: 54.56 N. 10.42 E. **11**
Rufisque, Senegal: 14.42 N. 17.17 W. **27**
Rugen Is., Germany: **9, 10**
Ruhnu Is., U.S.S.R.: 57.49 N. 23.12 E. **10**
Ruhrort, see Duisburg.
Rum Cay, Bahamas: 23.40 N. 74.58 W. **69**
Rumania, see Romania.
Rumoi, Japan: 43.57 N. 141.38 E. **42**
Max. Size: Draft 7.2 m., LOA 150 m. *Fuel:* Available. *Airport:* 15 km.
Runanga, New Zealand: 42.23 S. 171.14 E. **52**
Runcorn, U.K.: 53.21 N. 2.44 W. **5, 6**
Max. Size: See Manchester.
Rundvik, Sweden: 63.33 N. 19.27 E. **15**
Rupat Is., Indonesia **38, 39**
Rurutu, Austral Is., French Polynesia **48**
Ruse, Bulgaria: 43.45 N. 26.00 E. **26**
Rushin, see Najin.
Russell, New Zealand: 35.14 S. 174.07 E. **52**
Russkya Gavan, U.S.S.R.: 76.10 N. 62.20 E. **16**
Ruwais, see Jebel Dhanna.
Rya Harbour, see Gothenburg.
Ryde, U.K.: 50.44 N. 1.10 W. **7**
Rye, Australia, see Portsea.
Rye, U.K.: 50.56 N. 00.47 E. **7**
Max. Size: LOA 235 ft., draft 13 ft. 6 in. *Fuel:* Available.
Rynda, U.S.S.R.: 68.58 N. 36.50 E. **16**
Ryotsu, Japan: 38.05 N. 138.26 E. **42**
Ryukyu Islands, Japan **41, 45**

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Saare, U.S.S.R.: 58.00 N. 21.50 E. **10**
Saaremaa, U.S.S.R.: 58.30 N. 23.00 E. **9, 10**
Saba Is., Netherlands Antilles: 17.38 N. 63.16 W. **69**
Sabagalet, Indonesia: 1.35 S. 98.40 E. **38**
Sabah, Malaysia **38, 45, 46**
Sabang, Indonesia: 5.50 N. 95.20 E. **38**
Max. Size: Berth: LOA 150 m., depth 8 m. LWS. *Fuel:* Not available. *Airport:* 15 minutes drive.
Sabine, Texas, U.S.A.: 29.43 N. 93.52 W. **66**
Sabine Pass **66**
Sablayan, Mindoro, Philippines: 12.49 N. 120.49 E. **46**
Sable Is., Nova Scotia, Canada: 43.56 N. 60.02 W. **60**
Sacavem, see Lisbon.
Sacketts Harbor, New York, U.S.A.: 43.57 N. 76.07 W. **62**
Sackville, New Brunswick, Canada: 45.53 N. 64.22 W. **60**
Saco, see Namibe.
Sacramento, California, U.S.A.: 38.32 N. 121.30 W. **55, 57**
Max. Size: LOA 800 ft., beam 106 ft., depth 30 ft. – 32 ft. (MLLW). *Fuel:* All grades. *Airport:* 16 miles.
Sado Is., Japan: 38.15 N. 138.30 E. **42**
Sadong, Sarawak, Malaysia: 1.30 N. 110.43 E. **38**
Saeby, Denmark: 57.20 N. 10.30 E. **11**
Saeki, see Saiki.
Saetia, see Antilla.
Safaga, Egypt: 26.46 N. 34.00 E. **21, 32**
Max. Size: Draft 27 ft. 6 in. *Fuel:* Not available.
Safaga Is., Egypt: 26.42 N. 34.00 E. **32**
Saffaniya, Saudi Arabia: 28.02 N. 48.49 E. **35**
Saffle, Sweden: 59.08 N. 12.56 E. **10**
Safi, Morocco: 32.19 N. 9.12 W. **21, 27**
Max. Size: Draft 30 ft. (HW). *Fuel:* Fuel oil, diesel, gas oil. *Airport:* Casablanca.
Saga, Japan: 33.02 N. 133.05 E. **44**
Saganoseki, Japan: 33.15 N. 131.52 E. **44**
Max. Size: Draft 9.45 m. *Fuel:* Available.
Saginaw, Michigan, U.S.A.: 43.26 N. 83.56 W. **62**
Saginaw Bay, Lake Huron, U.S.A. **62**
Saglek Bay, Newfoundland, Canada: 58.40 N. 62.50 W. **59**
Sagres, Portugal: 37.00 N. 8.57 W. **20**
Sagunto, Spain: 39.39 N. 0.13 W. **22**
Max. Size: Depth 14.0 m. Bulk: Draft 48 ft. *Fuel:* Not available. *Airport:* Valencia, 40 km.
Saida, see Sidon.
Saigon, see Ho Chi Minh City.
Saiki, Japan: 32.59 N. 131.55 E. **44**
Sailsbury, Maryland, U.S.A.: 38.22 N. 75.36 W. **63**
Saimaa Canal (and Ports in Saimaa Lake), Finland: . . . **9, 10, 13**
Max. Size: LOA 82.0 m., beam 11.8 m., draft 4.35 m., height of mast 24.5 m. Larger by special permit. Time of transit through lock section of canal 5-8 hours.
Saimaa Lake **9, 13**
Harbours of the Lake Area and distances from the Canal entrance (in nautical miles):
Joenssu Harbour – 188 nm.
Joutseno Harbour – 13 nm.
Kaukas Industrial Harbour – 1.5 nm.
Vuoksi and Kaukopaa Industrial harbours (Immolu) – 25 nm.
Kelloniemi Oil Harbour (Kuopio) – 169 nm.
Kumpusaari Harbour (Kuopio) – 168 nm.
Rapasaari Harbour – 6 nm.
Ristiina Harbour – 49 nm.
Savonlinna Harbour – 84 nm.
Silinjanvi – 181 nm.
Vaukas (Akonneimi) – 125 nm.
Max. Size: See Saimaa Canal.
St. Abbs Head, U.K.: 55.55 N. 2.10 W. **5**
St. Agnes, (Scilly Is.), U.K.: 49.53 N. 6.21 W. **19**
St. Albans, Newfoundland, Canada: 47.52 N. 55.51 W. **60**
St. Albans Head, U.K.: 50.34 N. 2.03 W. **7**
St. Andrews, New Brunswick, Canada: 45.10 N. 67.08 W. . . . **60**
Max. Size: Draft 34 ft. (LWOST). *Fuel:* MDO and IFO. *Airport:* St. John (45 miles).
St. Anicet, Quebec, Canada: 45.08 N. 74.22 W. **61**
St. Anne, Channel Islands, (U.K.): 49.43 N. 2.11 W. **7, 19**
St. Anne de Monts, Quebec, Canada: 49.07 N. 66.28 W. **60**
St. Anns Bay, see Ocho Rios.
St. Anthony, Newfoundland, Canada: 51.22 N. 55.35 W. . . **59, 60**
St. Aubin, Channel Is., (U.K.): 49.11 N. 2.10 W. **7, 19**
St. Augustin, Quebec, Canada: 51.14 N. 58.39 W. **60**
St. Augustin Bay, see Tulear.
St. Augustine, Florida, U.S.A.: 29.54 N. 81.20 W. **66**
St. Bartholomew, (France) **69**
St. Brieuc, France: 48.32 N. 2.45 W. **7, 19**

St. Catharines, Ontario, Canada: 43.10 N. 79.16 W. 62
Max. Size: Welland Canal: LOA 730 ft. (222.51 m.), beam 76 ft. (23.15 m.), draft 26 ft. (7.92 m.)
Fuel: Bunker and diesel fuel oil by road tanker.
Dry Docks: Port Weller, LOA 730 ft.
Airport: Toronto, 75 miles.
St. Catherine's Point, U.K.: 50.34 N. 1.18 W. 5
St. Clair, Michigan, U.S.A.: 42.49 N. 82.92 W. 62
St. Clair River, Lake Huron, U.S.A. 62
St. Croix, Virgin Islands, (U.S.A.) 69
St. Davids, Newfoundland, Canada: 48.12 N. 58.53 W. 60
St. Davids, U.K., see Rosyth.
St. David's Head, U.K.: 51.54 N. 5.16 W. 5
St. Davids Is., Bermuda, (U.K.) 63
St. Denis, Reunion, (France): 20.52 S. 55.28 W. 30
St. Eustatius, Netherlands Antilles: 17.29 N. 63.00 W. 69
Max. Size: 175,000 d.w.t., draft 55 ft. *Fuel:* All grades.
Airport: Connects with St. Maarten.
St. Gabriel, Louisiana, U.S.A.: 30.17 N. 91.07 W. 67
St. Genevieve Bay, Newfoundland, Canada: 51.08 N. 56.48 W. 60
St. George, St. George's Is., Bermuda, (U.K.): 32.22 N. 64.41 W. 63
Max. Size: Waterline length 600 ft., draft 28 ft. and depends on displacement and weather conditions. *Fuel:* Bunker "C" fuel oil and diesel oil. *Dry Docks:* None. *Airport:* 2 miles.
St. George Is., Florida, U.S.A.: 29.40 N. 84.55 W. 66
St. George's, Newfoundland, Canada: 48.06 N. 58.28 W. 60
St. George's, Grenada: 12.02 N. 61.46 W. 69, 71
Max. Size: LOA 600 ft., draft 28 ft. Tankers: Min. depth 26 ft.
Fuel: Can be arranged. *Airport:* Available.
St. George's Channel 5
St. George's Is., Alaska, U.S.A.: 56.38 N. 169.40 W. 54
St. Helena, (U.K.) 18, 29, 68
St. Helena Bay, South Africa 29
St. Helen's, Oregon, U.S.A.: 45.52 N. 122.48 W. 57
St. Helier, Channel Islands, (U.K.): 49.11 N. 2.06 W. 7, 19
St. Ignace, Michigan, U.S.A.: 45.52 N. 84.43 W. 62
St. Ignace Is., Lake Superior, Canada 62
St. Ioni, U.S.S.R.: 56.24 N. 143.20 E. 42
St. Ives, U.K.: 50.13 N. 5.28 W. 5
St. James, Louisiana, U.S.A.: 29.59 N. 90.56 W. 67
Max. Size: See Southwest Pass. *Fuel:* Not available.
St. James, Michigan, U.S.A.: 45.44 N. 85.31 W. 62
St. James Anchorage, Agalaga Is., Mauritius: 10.20 S. 56.34 E. 30
St. Jean, Quebec, Canada: 45.20 N. 73.88 W. 60, 61
St. Jean de Luz, France: 43.24 N. 1.40 W. 19
St. Joe, see Port St. Joe.
St. John, New Brunswick, Canada: 45.16 N. 66.03 W. 60
Max. Size: Depth in main channel is 30 ft. at LW. Containers: Depth 12.2 m. Bulk: Depth 11 m. Tankers: Depth 12.2 m., also see Canaport.
Fuel: Fuel oil and diesel. *Dry Docks:* 1,780 ft. by 125 ft. by 53 ft. deep with 42 ft. of water over sills at high tide.
Airport: 12 miles.
St. John Islands, Virgin Is., (U.S.A.) 69
St. John's, Antigua,: 17.07 N. 61.52 W. 69, 71
(incl. Parham Harbour: 17.09 N. 61.47 W.)
Max. Size: At berth: Draft 32 ft. At anchor: Draft 45 ft. Tankers: CBM: Draft 43 ft. Sea Island: Draft 32 ft.
Fuel: All grades. *Dry Docks:* None. *Airport:* 4 miles.
St. John's, Newfoundland, Canada: 47.34 N. 52.41 W. 60
Max. Size: Draft 35 ft. only limit. Tankers: See Holyrood.
Fuel: Major grades. *Dry Docks:* Length of keel blocks 167.1 m., width at coping 23.3 m., depth of water over sill 8.2 m. *Airport:* 4 miles.
St. John's Is., see Jaziret Zabarjad.
St. Johns, see Port St. Johns.
St. Joseph, Michigan, U.S.A.: 42.06 N. 86.29 W. 62
St. Joseph Is., Lake Huron, Canada 62
St. Jouin, France: 49.40 N. 0.10 E. 7
St. Kilda, New Zealand: 45.50 S. 170.30 E. 52
St. Kilda, U.K.: 57.49 N. 8.33 W. 5
ST. KITTS-NEVIS 69
St. Kitts Is. 69
St. Lambert Lock, see St. Lawrence Seaway.
St. Laurent, Guyane: 5.30 N. 54.02 W. 72
St. Lawrence, Queensland, Australia: 22.21 S. 149.32 E. 49
St. Lawrence, Newfoundland, Canada: 46.55 N. 55.23 W. 60
St. Lawrence Is., Alaska, U.S.A. 54
St. Lawrence Seaway 60, 61
(incl. St. Lambert Lock: 45.30 N. 71.31 W., Cote St. Catherine Lock: 45.25 N. 73.34 W., Beauharnois Lock: 45.19 N. 73.55 W., Snell Lock:, 44.59 N. 74.47 W., Elsenhower Lock: 44.59 N. 74.51 W., Iroquois Lock: 44.50 N. 75.19 W.)
Max. Size: LOA 222.5 m., beam 23.16 m., draft 7.92 m. Masts must not exceed 35.5 m. above water level.
St. Louis, Senegal: 16.01 N. 16.30 W. 27
St. Louis, see Port St. Louis.
St. Louis du Rhone, France: 43.23 N. 4.48 E. 22, 23
Max. Size: LOA 95 m., beam 16 m., draft 7.92 m.
Fuel: Available. *Airport:* Marseille, 70 km.
ST. LUCIA 69
St. Lunaire, Newfoundland, Canada: 51.30 N. 55.28 W. 60
St. Maarten, Netherlands Antilles 69
St. Malo, France: 48.38 N. 2.02 W. 7, 19
Max. Size: Cargo Vessels: LOA 150 m., beam 20 m., draft 9 m. at spring tides. Tankers: LOA 147.50 m., beam 20 m., draft 9 m.
Fuel: Bunkers come from Donges by lorry.
Dry Docks: Length 120 m., breadth 16 m. and draft 8.0 m.
Airport: 10 km.
St. Marc, Haiti: 19.07 N. 72.42 W. 69
St. Marks, Florida, U.S.A.: 30.10 N. 84.12 W. 66
St. Martin, France: 46.12 N. 1.22 W. 19
St. Martin, (France & Netherlands) 69
See Philipsburg.
St. Martins, New Brunswick, Canada: 45.22 N. 65.33 W. 60
St. Martins, (Scilly Is.), U.K.: 49.57 N. 6.15 W. 19
St. Mary, see Port St. Mary
St. Mary Is., Madagascar: 16.50 S. 50.00 E. 30
St. Mary Is., (Scilly Is.), U.K. 5, 19
St. Mary's, U.K.: 58.54 N. 2.55 W. 5
St. Mary's, Georgia, U.S.A.: 30.44 N. 81.34 W. 63
St. Matthew Is., Alaska, U.S.A.: 60.20 N. 172.30 W. 54
St. Maxim, see St. Raphael.
St. Michael, Alaska, U.S.A.: 63.26 N. 162.10 W. 54
St. Michael's Bay, see Sint Michielsbay.
St. Nazaire, France: 47.17 N. 2.12 W. 19
Max. Size: South Entrance Lock: Max. LOA 210 m., draft 8.5 m., beam 28 m. *Dry Dock:* Up to 240,000 d.w.t.
Fuel: Available. *Airport:* St. Nazaire.
St. Nicolaas, (Aruba), Netherlands Antilles: 12.10 N. 69.58 W. 69, 73
St. Nicholas, see Aghios Nikolaos.
St. Nikolo, see Aghios Nikolaos.
St. Palais, France: 45.39 N. 1.06 W. 19
St. Paul Is., Alaska, U.S.A.: 57.10 N. 170.20 W. 54
St. Peter Port, Channel Islands, (U.K.): 49.27 N. 2.32 W. . . 7, 19
St. Petersburg, Florida, U.S.A.: 27.46 N. 82.38 W. 66, 69
St. Pierre, Martinique, (France): 14.45 N. 61.11 W. 69, 71
St. Pierre, Reunion, (France): 21.20 S. 55.30 W. 30
St. Pierre & Miquelon, (France) 60
St. Pierre I., Seychelles: 9.19 S. 50.43 E. 30
St. Pierre, St. Pierre & Miquelon, (France): 46.47 N. 56.10 W. . 60
Max. Size: LOA 200 m., draft 10 m. *Fuel:* Only diesel oil.
Dry Docks: Floating dock, capacity 550 tons.
Airport: Connects with Halifax.
St. Placide, Quebec, Canada: 45.32 N. 74.12 W. 61
St. Raphael, France: 43.25 N. 6.45 E. 22
St. Rose, Louisiana, U.S.A.: 29.56 N. 90.19 W. 67
Max. Size: Depth 35 ft. Also see New Orleans.
St. Sampson, Channel Is., (U.K.): 49.29 N. 2.31 W. 7
St. Servan, see St. Malo.
St. Simeon, Quebec, Canada: 47.51 N. 69.54 W. 60
St. Stephens, New Brunswick, Canada: 45.12 N. 67.17 W. . . . 60
St. Thomas, Virgin Islands, (U.S.A.): 18.20 N. 64.56 W. . . 69, 71
Max. Size: Up to 25,000 g.t., depths 15 ft. – 38 ft.
Fuel: Small craft only. *Airport:* 2 miles, connects with New York, Dallas – Fort Worth, Miami, etc.
St. Tropez, France: 43.17 N. 6.39 E. 22
St. Vaast, France: 49.35 N. 1.15 W. 7, 19
St. Valery-en-Caux, France: 49.52 N. 00.43 E. 7
St. Valery-sur-Somme, France: 50.11 N. 1.37 E. 7
St. Vincent, Cape Verde: 16.53 N. 25.00 W. 27
Max. Size: Pier: Depth 11.5 m. Tankers: LOA 775 ft., draft 36 ft., 53,000 d.w.t. *Fuel:* Available. *Airport:* Inter-island service only.
ST. VINCENT AND THE GRENADINES 69
St. Vincent Gulf, S.A., Australia 49
St. Zotique, Quebec, Canada: 45.12 N. 74.18 W. 61
Ste. Maxime, France: 43.19 N. 6.39 E. 22
Saipan, Northern Mariana Is.s: 15.13 N. 145.44 E. 45
Max. Size: Berth space limited to 500 ft. without special permission, depth 30 ft. *Fuel:* Diesel. *Airport:* 9 miles.
Sakai, Japan: 34.34 N. 135.27 E. 42, 43, 44
Max. Size: LOA 255 m., draft 14 m. Tankers: LOA 320 m., draft 15.5 m. *Fuel:* Most bonded fuels available.
Dry Docks: Capacity 400,000 d.w.t. *Airport:* Osaka, 45 km.
Sakaide, Japan: 34.19 N. 133.51 E. 44
Max. Size: LOA 275 m., draft 13 m., 70,000 d.w.t. Tankers: 100,000 d.w.t., depth 19.6 m.
Fuel: All grades will be lightered from the nearest bunker stock ports. *Dry Docks:* 500,000 d.w.t.
Airport: Takamatsu, connects with Osaka/Tokyo.
Sakaiminato, Japan: 35.32 N. 133.14 E. 42
Sakata, Japan: 38.55 N. 139.48 E. 42
Max. Size: Wharf: 270 m. long, depth 13 m. *Fuel:* Bunkers lightered from Hakodate provided at least 7 days notice given.
Airport: Yamagata, 105 km.

Sakhalin Island, U.S.S.R. 42
Sakihama, Japan: 33.25 N. 134.12 E. 44
Sakishima Is., Japan 45
Sakito, Japan: 33.01 N. 129.34 E. 44
Sakskobing, Denmark: 54.48 N. 11.38 E. 11
Sal Is., Cape Verde 27
Sal Rei, Cape Verde: 16.10 N. 22.57 W. 27
Salacgriva, U.S.S.R.: 57.40 N. 24.25 E. 10
Saladin Marine Terminal, Australia: 21.24 S 115.03 E. 49
Max. Size: 180,000 displacement, beam 47 m.
Fuel: Not available.
Salalah, see Port Raysut.
Salamaua, Papua New Guinea: 6.59 S. 147.05 E. 45
Salamis, Greece: 37.57 N. 23.30 E. 23, 24, 25
Salaverry, Peru: 8.13 S. 78.59 W. 72
Max. Size: Approx. 25,000 d.w.t. with draft up tc 29 ft.
Tankers: Depth 26 ft. *Fuel:* Not available.
Salawati, Indonesia: 1.21 S. 130.59 E. 45
Max. Size: Up to 60,000 d.w.t. or 100,000 d.w.t. light loaded to equivalent of 60,000 d.w.t., draft 43 ft. *Fuel:* Not available.
Salay Gomez, Chile: 26.25 S. 105.28 W. 48
Salaya, India: 22.22 N. 69.36 E. 37
Salaya Is., Indonesia, see Benteng.
Salayar, see Benteng.
Salazar, see Namibe.
Salcombe, U.K.: 50.14 N. 3.46 W. 5
Saldanha Bay, South Africa: 33.02 S. 17.58 E. 29
Max. Size: Ore and oil: LOA 350 m., draft 20.5 m. (inward) and 21.25 m. (outward). General cargo: LOA 200 m., draft 10.5 m. (inward) and 11.5 m. (outward).
Fuel: Not yet available ex-jetty. *Airport:* Cape Town.
Sale, Morocco: 34.05 N. 6.45 W. 27
Saleef, Yemen: 15.18 N. 42.41 E. 31, 32
Max. Size: Draft 12 m., 50,000 d.w.t.
Fuel: Barged from Hodeidah (80 km.).
Salekhard, U.S.S.R.: 66.28 N. 66.34 E. 16
Salem, Massachusetts, U.S.A.: 42.31 N. 70.53 W. 63, 65
Max. Size: LOA 700 ft., beam 110 ft., draft 34 ft.
Tankers: Depth 34 ft.
Salen, U.K.: 56.31 N. 5.50 W. 5
Salerno, Italy: 40.40 N. 14.45 E. 24
Max. Size: LOA 200 m., draft 30 ft. *Fuel:* From Naples by truck or barge. *Dry Docks:* None. *Airport:* Naples, 60 km.
Salif, see Saleef.
Salina, see Kralendijk.
Salina Cruz, Mexico: 16.10 N. 95.12 W. 69
Max. Size: Depth: Channel 9.7 m., berth 9.5 m.
Tankers: 250,000 d.w.t. *Fuel:* Available.
Dry Docks: Capacity 21,000 tons displacement, draft 25 ft..
Salina Is., Italy: 38.35 N. 14.50 E. 24
Salinas, Ecuador: 2.10 S. 80.48 W. 72
Salinas, Netherlands Antilles, see Kralendijk.
Salinas, California, U.S.A.: 36.30 N. 121.40 W. 57
Salinas Bay, Costa Rica 69
Salineiro Offshore Terminal,see Areia Branca.
Salinopolis, Brazil: 0.41 S. 47.20 W. 72
Salipazari, see Istanbul.
Salisbury Is., N.W. Territories, Canada: 63.30 N. 77.05 W. 59
Salomon Is., Chagos Arch., (UK): 5.24 S. 72.16 E. 30, 37
Salonica, see Thessalonika.
Salsaker, see Askja.
Salsbruket, Norway: 64.48 N. 11.52 E. 15
Salt End, see Hull.
Salt River, Jamaica: 17.50 N. 77.10 W 69
Max. Size: Draft 30 ft. *Fuel:* Can be arranged.
Airport: Palisadoes, 50 miles.
Saltacaballo, see Castro Urdiales.
Saltdal, Norway: 67.06 N. 15.26 E. 15
Saltholm Is., Denmark: 55.38 N. 12.45 E. 11
Saltkallen, see Munkedal.
Salto, Uruguay: 31.23 S. 57.58 W. 72
Saltpond (Offshore Terminal), Ghana: 5.05 N. 1.00 W. 27
Max. Size: Depth 85 ft.
Saltvik, Finland: 60.20 N. 20.25 E. 10
Salum, Egypt: 31.33 N. 25.11 E. 26
Salvador, Brazil: 13.01 S. 38.35 W. 72
Max. Size: Access to Temadre: LOA 250 m., beam 40 m., draft 12.8 m. Access to the Port of Salvador: LOA 180 m., beam 30 m., draft 10 m. *Fuel:* Available. *Dry Docks:* At Aratu, capacity 35,000 tons. *Airport:* Dois de Julio, 40 km.
Salwah, Qatar: 24.45 N. 50.51 E. 35
Samana, Dominican Republic: 19.12 N. 69.19 W. 69
Samanco, Peru: 9.14 S. 78.29 W. 72
Samani, Japan: 42.05 N. 143.00 E. 42
Samar Is., Philippines 45, 46
Samarai, Papua New Guinea: 10.36 S. 150.39 E. 45, 48, 49
Max. Size: Depth at LAT 7.8 m. *Fuel:* Diesel available by pipe-line. *Airport:* None, nearest at Alotau.
Samarang, see Semarang.
Samarinda, Indonesia: 0.30 S. 117.09 E. 38
Max. Size: LOA 156 m., draft 6.8 m. *Fuel:* Not available.
Sambas, Indonesia: 1.22 N. 109.17 E. 38
Sambava, Madagascar: 14.15 S. 50.11 E. 30
Sambu, see Pulau Sambu.
Samcheog Han, South Korea: 37.30 N. 129.10 E. 41
Max. Size: Draft 6.8 m.
Samcheon Po, South Korea: 34.52 N. 128.05 E. 41
Max. Size: 100,000 d.w.t., depth 18 m. *Fuel:* By barge from Busan. *Airport:* Nearest Busan.
Sami, Greece: 38.15 N. 20.39 E. 25
SAMOA, AMERICAN 48
SAMOA, WESTERN 48
Samos, see Vathi.
Samos Is., Greece 25
Samothraki Is., Greece 25
Sampang, Indonesia: 7.11 S. 113.13 E. 38
Sampit, Indonesia: 3.06 S. 113.04 E. 38
Max. Size: Depth 4.5 m. *Fuel:* Not available
Samso Belt 11
Samso Is., Denmark 9, 10, 11
Samson Point, see Port Walcott.
Samsun, Turkey: 41.21 N. 36.34 E. 26
Max. Size: Depth 6 m. – 12 m. *Fuel:* Available at 48 hours notice. *Airport:* 5 km.
San Ambrosio Is., Chile: 26.21 S. 79.55 W. 72
San Andres Is., Colombia: 12.33 N. 81.43 W. 69
San Antioco Is., (Sardinia), Italy: 39.04 N. 8.30 E. 24
San Antonio, Chile: 33.35 S. 71.37 W. 72
Max. Size: LOA 210 m., depth 35 ft. Tankers: Quay: Depth 36 ft. Buoys: Max. displacement 55,000 tons.
Fuel: Marine diesel. *Airport:* Santiago, 2 hours by road.
San Antonio, Spain: 39.00 N. 1.20 E. 22
San Antonio Oeste, Argentina: 40.49 S. 64.55 W. 72
Max. Size: LOA 178 m., draft 26 ft.
Fuel: By truck from Bahia Blanca.
San Bartolome, Mexico: 27.41 N. 114.52 W. 57
San Benedetto, Italy: 42.57 N. 13.53 E. 24
San Benedicto Is., Revilla Gigedo Islands, (Mexico): 19.15 N. 110.48 W. 57
San Blas, Mexico: 21.32 N. 105.19 W. 57
San Carlos, Equatorial Guinea: 3.28 N. 8.33 E. 28
San Carlos, Falkland Is., (U.K.): 51.30 S. 59.01 W. 72
San Carlos, Mexico: 24.47 N. 112.08 W. 57
Max. Size: LOA 600 ft., beam 100 ft. and draft 30 ft.
Fuel: Moderate quantities of diesel oil. *Dry Docks:* None.
Airport: Nearest at La Paz.
San Carlos, Philippines, see Carlos.
San Carlos de la Rapita, see Sant Carles de la Rapita.
San Ciprian, Spain: 43.43 N. 7.28 W. 19
Max. Size: Draft up to 12.95 m. *Fuel:* Not available.
San Clemente Is., California, U.S.A.: 32.50 N. 118.30 W. 57
San Colas, see San Nicolas.
San Cristobal, Panama: 9.00 N. 80.50 W. 69
San Cristobal Is., Galapagos Islands, Ecuador: 0.50 S. 89.30 W. 69
San Cristobal Is., Solomon Is. 48
San Diego, California, U.S.A.: 32.41 N. 117.07 W. 55, 57
Max. Size: Draft 36 ft. Tankers: Draft 35 ft. *Fuel:* Diesel and bunker fuel. *Dry Docks:* Capacity 30,000 displacement tons.
Airport: 5 miles.
San Esteban, Spain: 43.34 N. 6.05 W. 19
San Felipe, Mexico: 31.00 N. 114.20 W. 57
San Feliu De Guixols, see Sant Feliu de Guixols.
San Felix, see Palua.
San Felix Is., Chile: 26.19 S. 80.09 W. 72
San Fernando, Argentina: 34.29 S. 58.30 W. 75
San Fernando, Luzon, Philippines: 16.37 N. 120.18 E. 45
Max. Size: Depth at quay 12 ft. – 60 ft.
Fuel: Available. *Airport:* 3 km.
San Fernando, Spain: 36.28 N. 6.15 W. 20
San Fernando, Trinidad: 10.18 N. 61.29 W. 74
San Fernando De Apure, Venezuela: 7.55 N. 67.30 W. 74
San Filipe, Fogo, Cape Verde: 14.56 N. 24.30 W. 27
San Francisco, California, U.S.A.: 37.48 N. 122.25 W. 1, 55, 56, 57
Max. Size: Draft 40 ft. Tankers: Draft 35 ft. *Fuel:* Available.
Dry Docks: 70,000 tons capacity. *Airport:* 10 miles.
San Isidro, Leyte, Philippines: 11.25 N. 124.20 E. 46
San Jorge Is., Azores, (Portugal): 38.40 N. 28.05 W. 20
San Jose, Guatemala: 13.55 N. 90.50 W. 69
Max. Size: Anchorage port (see Puerto Quetzal).
Fuel: Not available. *Airport:* Guatemala City, 108 km.
San Jose, Mindoro, Philippines: 12.20 N. 121.04 W. 57
San Jose De Amacuro, Venezuela: 8.15 N. 60.30 W. 74
San Jose de Buenavista, Panay, Philippines: 10.45 N. 121.56 E. 46
San Jose del Cabo, Mexico: 23.03 N. 109.41 W. 57
San Juan, Argentina: 49.18 S. 67.43 W. 72

San Juan, Panama: 8.13 N. 81.47 W. 69
San Juan, Peru: 15.21 S. 75.10 W. 72
San Juan, Puerto Rico: 18.28 N. 66.07 W. 69
Max. Size: LOA 750 ft., depth 18 ft. – 35 ft. Tanker Berth: Draft 33 ft. *Fuel:* By barges. *Dry Docks:* Available. *Airport:* On outskirts of port area.
San Juan, see Port Renfrew.
San Juan de la Costa, Mexico: 24.24 N. 110.40 W. 57
Max. Size: Depth 32 ft.
San Juan Del Norte, Nicaragua: 10.56 N. 83.43 W. 69
San Juan del Sur, Nicaragua: 11.15 N. 85.53 W. 69
Max. Size: Anchorage: Depth 5 – 10 fathoms. *Fuel:* Not available. *Airport:* Managua, 2 hours by road.
San Juan Griego, Venezuela: 11.05 N. 64.00 W. 69
San Julian, Argentina: 49.18 S. 67.43 W. 72
Max. Size: Depth 30 ft. *Fuel:* Not available.
San Lorenzo, Argentina: 32.45 S. 60.38 W. 75
Max. Size: Up to 27 ft. draft. *Fuel:* Available.
San Lorenzo, Ecuador: 1.12 N. 78.51 W. 69, 72
San Lorenzo, Honduras: 13.25 N. 87.27 W. 69
Max. Size: Depth alongside at LW is 32 ft. *Fuel:* Only with advance notice. *Airport:* Tegucigalpa, 90 km.
San Lorenzo, Venezuela: 9.47 N. 71.05 W. 69, 73
Max. Size: LOA 665 ft., draft 34 ft. 6 in. *Fuel:* Any grade.
San Lucas, Mexico: 22.52 N. 109.55 W. 57
San Luis, see Port San Luis.
San Marcos Is., Mexico: 27.12 N. 112.06 W. 57
San Martin, Argentina: 33.40 S. 60.45 W. 75
Max. Size: Depths up to 40 ft. alongside.
San Mateo, California, U.S.A.: 37.30 N. 122.23 W. 57, 58
San Miguel Is., Azores, (Portugal) 20
San Nicholas Is., California, U.S.A.: 33.16 N. 119.30 W. 57
San Nicolas, Argentina: 33.20 S. 60.13 W. 75
Max. Size: Draft up to 24 ft. *Fuel:* Available.
San Nicolas, (Aruba), Netherlands Antilles: 12.26 N. 69.55 W. 69
Max. Size: Reef Berths: Tankers up to 550,000 d.w.t., LOA 1,400 ft., draft 95 ft. Inner Harbour: 90,000 d.w.t., LOA 265 m., beam 39 m., draft 12.1 m. *Fuel:* All grades.
San Nicolas, Peru: 15.14 S. 75.14 W. 72
Max. Size: LOA 1,050 ft., beam 161 ft. – 174 ft. (depending on cargo), draft 59 ft., airdraft 40 ft. 3 in. (12.26 m.). *Fuel:* Not available.
San Nicolau Is., Cape Verde 27
San Pablo, Argentina: 54.20 S. 66.30 W. 72
San Pedro, Argentina: 33.42 S. 59.39 W. 75
Max. Size: LOA 225 m., beam 32 m., draft over 30 ft. *Fuel:* Not available.
San Pedro, Ivory Coast: 4.44 N. 6.38 W. 29
Max. Size: Draft 10.5 m., LOA 200 m. *Fuel:* Available. *Airport:* Daily flights to Abidjan.
San Pedro, California, U.S.A.: 33.55 N. 118.10 W. 57, 58
San Pedro, Venezuela: 7.00 N. 62.30 W. 74
San Pedro de Macoris, Dominican Republic: 18.30 N. 69.12 W. 69
Max. Size: LOA over 200 m., draft 39 ft. Tankers: LOA 250 m., draft 42 ft. *Fuel:* Supplied by truck. *Airport:* 40 km.
San Pedro Sula, Honduras: 15.30 N. 88.00 W. 69
San Pietro Is., (Sardinia), Italy 24
San Quintin, Mexico: 30.23 N. 116.01 W. 57
San Remo, Italy: 43.49 N. 7.47 E. 22
San Salvador Is., Bahamas: 24.05 N. 74.25 W. 69
San Salvador Is., Galapagos Islands, Ecuador: 0.18 S. 90.45 W. 69
San Sebastian, Argentina: 53.10 S. 68.30 W. 72
San Sebastian, Spain: 43.19 N. 1.58 W. 19
San Sebastian Gomera I., Canary Islands, (Spain): 28.05 N. 17.07 W. 27
San Tiago Is., Cape Verde 27
San Vasquez, Uruguay: 34.45 S. 56.25 W. 75
San Vicente, Chile: 36.44 S. 73.08 W. 72
Max. Size: Can berth ships greater than 200 m. LOA and 42 ft. draft. *Fuel:* Diesel. *Dry Docks:* ASMAR for large vessels. *Airport:* Internal.
San Vicente, Luzon, Philippines: 18.31 N. 122.08 E. 46
Max. Size: Anchorage: Depth 90 ft. See also Aparri.
San Vicente Barquera, Spain: 43.24 N. 4.24 W. 19
San Vitale, see Ravenna.
Sanaga River, Cameroon 28
Sanak Is., Alaska, U.S.A.: 54.29 N. 162.49 W. 54
Sanana, Indonesia: 2.03 S. 125.59 E. 45
Sanchez, Dominican Republic: 19.14 N. 69.36 W. 69
Sand, Norway: 59.28 N. 6.15 E. 10
Sand Point, (Popof Is.), Alaska, U.S.A.: 55.20 N. 160.32 W. . . . 54
Sandakan, Sabah, Malaysia: 5.50 N. 118.07 E. 38, 45, 46
Max. Size: Draft restriction is 24 ft. on the Bar, plus the height of tide. (MHW about 6 ft.). Depth alongside 6.1 m. – 9.1 m. *Fuel:* Not available.
Sandarne, Sweden: 61.16 N. 17.11 E. 15
Max. Size: Depth 7.2 m. Also see Langror.
Sandaunhafen, see Hamburg.
Sanday, U.K.: 59.13 N. 2.28 W. 5
Sandefjord, Norway: 59.08 N. 10.15 E. 8, 9, 10
Sandhamn, Sweden: 59.17 N. 18.56 E. 10
Max. Size: LOA 245 m., 43,000 g.r.t., beam 35 m., draft 11 m. Tankers: LOA 200 m., 35,000 d.w.t., beam 32 m., draft 11 m. See also Stockholm.
Sandino, see Puerto Sandino.
Sandnes, Norway: 58.51 N. 5.45 E. 10
Sandness, U.K.: 60.10 N. 1.00 W. 17
Sandnessjoen, Norway: 66.03 N. 12.38 E. 9, 15
Sando, Faeroe Is., (Denmark) 5
Sando, Sweden, see Svano.
Sandoway, Myanmar: 18.31 N. 94.22 E. 38
Sandspit, British Columbia, Canada: 53.15 N. 131.49 W. 56
Sandusky, Ohio, U.S.A.: 41.27 N. 82.43 W. 62
Sandvig, Denmark: 55.30 N. 14.45 E. 10
Sandvik, (Seskaro Is.), Sweden: 65.44 N. 23.47 E. 15
Sandviken, see Kranfors.
Sandwich, U.K.: 51.16 N. 1.21 E. 7
Sandwich Harbour, Massachusetts, U.S.A.: 41.46 N. 70.29 W. 64
Sandwich Oil Terminal, (Cape Cod Canal), Massachusetts, U.S.A.: 41.46 N. 70.31 W. 64
Max. Size: Draft 40 ft. (SW).
Sandwich, see Port Sandwich.
Sandwick, U.K.: 60.00 N. 1.13 W. 5
Sandy Hook, New Jersey, U.S.A.: 40.28 N. 74.00 W. 63
Sangatta, Indonesia: 0.22 N. 117.34 E. 38
Max. Size: LOA 220 m., depth 21 m., 36,500 d.w.t. *Fuel:* Not available. *Airport:* Samarinda.
Sangenjo, Spain: 42.24 N. 8.48 W. 20
Sangi, Cebu, Philippines: 10.23 N. 123. 39 E. 46
Max. Size: 50,000 d.w.t., depth 16 m. (LW). *Fuel:* Tank truck. *Dry Dock:* None. *Airport:* Cebu.
Sangi Is., Indonesia 45, 46
Sangkapura, Indonesia: 5.51 S. 112.41 E. 38
Sangkulirang, Indonesia: 0.59 N. 117.58 E. 38
Sanikiluaq, N.W. Territories, Canada: 56.34 N. 79.17 W. 59
Sanilac, see Port Sanilac.
Sanlucar de Barameda, Spain: 36.46 N. 6.21 W. 20, 22, 27
Sans Souci, see Santo Domingo.
Sant Carles de la Rapita, Spain: 40.37 N. 0.36 E. 22
Max. Size: Depth 17 ft. – 22 ft. *Fuel:* Available at 24 hours notice. *Airport:* Reus, 90 km.
Sant Feliu de Guixols, Spain: 41.46 N. 3.01 E. 22
Max. Size: Draft for berthing is 22 ft. and up to 115 m. LOA. *Fuel:* Can be supplied in small quantities.
Santa Antonia, Sao Tome & Principe: 1.30 N. 7.45 E. 29
Santa Barbara, see Huasco.
Santa Barbara, California, U.S.A.: 34.26 N. 119.40 W. 57
Santa Catalina Is., California, U.S.A.: 33.24 N. 118.30 W. 57
Santa Clara, California, U.S.A.: 37.20 N. 122.00 W. 57
Santa Clara Ore Terminal, Gabon: 0.34 N. 9.14 E. 28
Santa Cruz, see Punta Quiller.
Santa Cruz, (Flores), Azores: 39.27 N. 31.08 W. 20
Santa Cruz, (Graciosa), Azores: 39.00 N. 28.00 W. 20
Santa Cruz, Marinduque Is, Philippines: 13.30 N. 122.04 E. 45, 46
Santa Cruz, Palma, Canary Islands, (Spain): 28.40 N. 17.45 W. 27
Santa Cruz, California, U.S.A.: 36.58 N. 122.03 W. 57
Santa Cruz de Tenerife, Canary Islands, (Spain): 28.28 N. 16.16 W. 27
Max. Size: Floating pipe-line terminal: Up to 240,000 d.w.t. Dique del Este: 300 m. LOA limitation, draft up to 60 ft. *Fuel:* All grades. *Dry Docks:* Lifting capacity 6,000 tons. *Airport:* Reina Sofia, 65 km.
Santa Cruz del Sur, Cuba: 20.42 N. 77.59 W. 69
(incl. Manopla: 20.43 N. 77.52 W.) *Max. Size:* Official draft 35 ft. *Fuel:* Not available.
Santa Cruz Is., Galapagos Islands, Ecuador: 0.40 S. 90.25 W. 69
Santa Cruz Is., Solomon Is. 48
Santa Cruz Is., California, U.S.A.: 34.00 N. 119.45 W. 57
Santa Elena Bay, see La Libertad, Ecuador.
Santa Eugenia de Ribeira, Spain: 42.33 N. 8.59 W. 20
Santa Fe, Argentina: 31.40 S. 60.37 W. 75
Max. Size: Depths to 24 ft. *Fuel:* Available. *Airport:* 17 km.
Santa Iria, see Lisbon.
Santa Isabel, see Rey Malabo.
Santa Isobel Is., Solomon Is. 48
Santa Liberta, Italy: 42.25 N. 11.09 E. 24
Santa Lucia, Cuba: 24.44 N. 83.59 W. 69
Max. Size: No draft limit at sea anchorage. *Fuel:* Not available.
Santa Lucia Is., Cape Verde: 16.48 N. 24.46 W. 27
Santa Lucia Oriente, see Vita.
Santa Margharita Ligure, Italy: 44.20 N. 9.13 E. 24
Santa Maria, Sal Is., Cape Verde: 16.35 N. 22.54 W. 27
Santa Maria, Cuba: 21.17 N. 78.31 W. 69
Max. Size: See Jucaro.
Santa Maria, Mindanao, Philippines: 7.45 N. 122.07 E. 46

Santa Maria, see Puerto de Santa Maria.

Santa Maria Is., Azores, (Portugal) 20

Santa Maria Is., Galapagos Islands, Ecuador: 1.22 S. 90.30 W. 72

Santa Marta, Colombia: 11.15 N. 74.14 W. 69
(incl. Puerto Prodeco: 11.09 N. 74.13 W.).
Max. Size: LOA 730 ft., 40 ft. draft. Tankers: See Pozos Colorados. Puerto Prodeco: Depth 18 m. *Fuel:* Not available. *Airport:* 19 miles.

Santa Rosa Is., California, U.S.A.: 34.00 N. 120.15 W. 57

Santa Rosalia, Mexico: 27.20 N. 112.17 W. 57

Santa Teresa di Gallura, (Sardinia), Italy: 41.14 N. 9.12 E. . . . 24

Santan Terminal, (Attaka), Indonesia: 0.06 S. 117.32 E. 38
Max. Size: 125,000 dw.t. Calling for full cargo; minimum 17,000 d.w.t., LOA 275 m., depth 28 m.

Santana, Brazil: 0.03 S. 51.11 W. 72
Max. Size: Along floating ore pier: Depth ranges from 35 ft. to 90 ft. (at LW). *Fuel:* Not available. *Airport:* Macapa, 25 km.

Santander, Spain: 43.28 N. 3.49 W. 19, 21, 22
Max. Size: Max. advisable draft to enter port is 35 ft. (LWOST) plus 13 ft. – 14 ft. at HWOST. Tankers: Depth 29 ft. *Fuel:* Ordinary fuel, diesel and gas oil are available. *Dry Docks:* 722 ft. × 105 ft. × 38 ft. *Airport:* 4 miles.

Santerem, Brazil: 2.25 S. 54.43 W. 72
Max. Size: Draft 10 m. *Fuel:* Available.

Santiago de Cuba, Cuba: 19.50 N. 75.52 W. 69
Max. Size: LOA 702 ft., draft 36 ft. *Fuel:* Fuel oil and diesel.

Santo, Vanuatu: 15.31 S. 167.11 E. 48
Max. Size: Depth 10.5 m. (LWS). *Fuel:* Available. *Airport:* 6 km.

Santo, see Porto Santo.

Santo Antao Is., Cape Verde: 17.04 N. 25.12 W. 27

Santo Antonio, Sao Tome & Principe: 1.39 N. 7.26 E. . . . 28, 29

Santo Domingo, Dominican Republic: 18.28 N. 69.53 W. 69
Max. Size: LOA over 650 ft. inadvisable. Draft: 28 ft. (general cargo), 29 ft. (tankers), 30 ft. 6 in. (grain).
Fuel: Fuel and diesel available. *Dry Docks:* Vessels up to 320 ft. LOA, 50 ft. beam, 17 ft. draft. *Airport:* 26 km.

Santo Stefano, see Porto Santo Stefano.

Santo Tomas de Castilla, Guatemala: 15.42 N. 88.37 W. 69
Max. Size: LOA 750 ft., draft 27 ft. – 30 ft.
Fuel: Available. *Airport:* Puerto Barrios, 8 km.

Santona, Spain: 43.26 N. 3.27 W. 19

Santorini, see Thira.

Santos, Brazil: 23.56 S. 46.19 W. 72
Max. Size: Draft 34 ft. – 36 ft. *Fuel:* Available.
Dry Docks: Vessels of 65 m. LOA, 12 m. beam and max. drafts of 4.20 m. aft and 3.90 m. forward.
Airport: Sao Paulo, 60 km.

Santuao, China: 26.37 N. 119.40 E. 41

Santurce, see Portugaleta.

Sanya, China: 18.14 N. 109.30 E. 38
Max. Size: Anchorage: Depth 10 m. – 16 m., 50,000 d.w.t.

Sao Francisco Do Sul, Brazil: 26.10 S. 48.34 W. 72
(incl. Tefran (SBM) Terminal: 26.14 S. 48.25 W.)
Max. Size: Depths alongside 4.25 m. – 9.75 m. Tankers: 18 m. draft, 200,000 d.w.t.
Fuel: Available by truck from Itajal. *Airport:* Joinville, 40 miles.

Sao Luiz, Brazil: 2.32 S. 44.07 W. 72
Max. Size: Anchorage: Draft 18 ft. – 21 ft.
Fuel: Fuel oil available. *Airport:* 13 km.

Sao Paulo, Brazil: 4.15 S. 68.10 W. 72

Sao Sebastiao, Brazil: 23.48 S. 45.24 W. 72
Max. Size: Depth 8.2 m. Tankers: Up to 300,000 d.w.t., with draft of 23 m. (75 ft. 05 in.). *Fuel:* All grades available.
Airport: At Ubatuba.

SAO TOME & PRINCIPE 28, 29

Sao Tome, Sao Tome & Principe: 0.21 N. 6.44 E. 28, 29
Max. Size: Depth LW 2.5 m. *Airport:* Connects Luanda.

Sapele, Nigeria: 5.55 N. 5.42 E. 28, 29
Max. Size: LOA 170 m., draft 6.4 m. at Escravos Bar.
Fuel: Available from Warri. *Dry Docks:* None.
Airport: Benin or Warri.

Sapri, Italy: 40.03 N. 15.37 E. 24

Sarande, Albania: 39.52 N. 20.02 E. 24, 25
Max. Size: Anchorage port. *Fuel:* Not available.

Sarasan, Indonesia: 2.29 N. 109.08 E. 38

Sarasota, Florida, U.S.A.: 27.19 N. 82.29 W. 66, 69

Sarawak, Malaysia 38, 45

Sardinia, Italy 21, 24

Saria Is., Greece: 35.52 N. 27.16 E. 25

Sarikei, Sarawak, Malaysia: 2.08 N. 111.32 E. 38
(incl. Binatang: 2.10 N. 111.38 E.)
Max. Size: Depth 7.6 m.

Sariyer, Turkey: 41.11 N. 29.04 E. 26

Sark, Channel Islands, (U.K.): 49.25 N. 2.20 W. 7, 19

Sarkoy, Turkey: 40.37 N. 27.08 E. 25

Sarnate, U.S.S.R.: 57.06 N. 21.29 E. 10

Sarnia, Ontario, Canada: 42.59 N. 82.25 W. 62
Max. Size: LOA 730 ft., beam 75 ft. 6 in., draft 25 ft. 6 in.
Fuel: All grades.

Saro, Sweden: 57.30 N. 11.53 E. 10, 11

Sarpsborg, Norway: 59.17 N. 11.07 E. 8, 10
Max. Size: Draft 24 ft. *Fuel:* Obtained only with tank cars.
Dry Docks: 3,100 d.w.t. *Airport:* Oslo, 110 km.

Sarroch, (Sardinia), Italy: 39.05 N. 9.01 E. 24
Max. Size: Tankers: Draft 68 ft., 380,000 d.w.t.
See also Cagliari.

Sas van Gent, see Sluiskil.

Sasa, see Davao.

Sasebo, Japan: 33.10 N. 129.43 E. 41, 44
Max. Size: General Cargo Berths: Depths to 36 ft. Tanker Berths: Depths to 45 ft. *Fuel:* Lightered from other ports.
Dry Docks: Largest 300,000 d.w.t. *Airport:* Nagasaki, 50 km.

Sassandra, Ivory Coast: 4.56 N. 6.07 W. 29

Sassnitz, Germany: 54.30 N. 13.40 E. 11

Sasuna, Japan: 34.38 N. 129.24 E. 41

Satawal, Caroline Is., Micronesia: 7.21 N. 147.02 E. 45

Satawan, see Nomoi Is.

Sattahip, Thailand: 12.39 N. 100.53 E. 38
(incl. Chuk Samet: 12.37 N. 100.55 E. and Tungprong Port: 12.42 N. 100.50 E.).
Max. Size: Chuk Samet: Draft 30 ft. (LWOST), LOA 600 ft. Tungprong: Anchorage: Depth 60 ft. Sattahip: LOA 180 m., draft 9.0 m. Map Pier: Depth 38.8 ft. POL Jetty: LOA 600 ft., depth 36 ft. *Fuel:* Available.

Satthoim Is., Denmark 11

Sauce, see Puerto Sauce.

Sauda, Norway: 59.40 N. 6.22 E. 10
Max. Size: Draft 30 ft. *Fuel:* Not available.
Dry Docks: None. *Airport:* Stavanger and Haugesund.

SAUDI ARABIA 21, 31, 32, 35

Saugatuck, Michigan, U.S.A.: 42.40 N. 86.12 W. 62

Saulkrasti, U.S.S.R.: 57.15 N. 24.30 E. 10

Sault Ste. Marie, Ontario, Canada: 46.28 N. 84.22 W. 62
Max. Size: Depth 18 ft. – 22 ft. *Fuel:* Diesel.

Sault Ste. Marie, Michigan, U.S.A.: 46.27 N. 84.22 W. 62
Max. Size: See Sault Ste. Marie, Canada.

Saumlaki, Indonesia: 7.58 S. 131.19 E. 38, 45

Saunders, see Port Saunders.

Saundersfoot, U.K.: 51.43 N. 4.42 W. 5

Saunsilta, see Uusikaupunki.

Savage Is., see Niue I.

Savaii Is., Western Samoa: 13.30 S. 172.30 W. 48

Savanna La Mar, Jamaica: 18.12 N. 78.09 W. 69
Max. Size: Draft 19 ft. *Fuel:* Can be arranged.
Airport: Montego Bay, 32 miles.

Savannah, Georgia, U.S.A.: 32.02 N. 81.07 W. 55, 66
Max. Size: Channel depths 35 ft. – 40 ft. Tankers: Draft 32 ft. – 38 ft.
Fuel: Most grades. *Dry Docks:* 540 ft. × 72 ft. × 21 ft.
Airport: 5 miles.

Savigssvik, Greenland, (Denmark): 76.01 N. 64.52 W. 17

Savona, Italy: 44.18 N. 8.29 E. 21, 24
Max. Size: Depths up to 51 ft. Savona Silos: Depth 32 ft. 6 in. – 35 ft. Tankers: See Vado Ligure.
Fuel: All grades. *Airport:* Genoa, 40 km.

Savonetta, see Point Lisas.

Savonlinna, Finland: 61.52 N. 28.53 E. 13
Max. Size: See Saimaa Canal.

Savoonga, Alaska, U.S.A.: 63.47 N. 170.35 W. 54

Savu Savu, Fiji: 16.47 S. 179.21 E. 48

Savu Sea, Indonesia 45

Sawqirah, Oman: 18.05 N. 56.35 E. 31

Sawu, Indonesia 45

Sayhut, Yemen: 15.10 N. 51.12 E. 31

Sayreville, New Jersey, U.S.A.: 40.28 N. 74.22 W. 63

Scalasaig, U.K.: 56.04 N. 6.12 W. 5

Scalea, Italy: 39.50 N. 15.45 E. 24

Scalloway, U.K.: 60.08 N. 1.16 W. 5
Max. Size: Draft 6.1 m., LOA 90 m. *Fuel:* Marine gas oil.
Airport: Sumburgh, 25 miles.

Scapa Flow, Orkney Isles, U.K.:
58.53 N. 3.05 W. 5
Max. Size: SPM: Draft 72 ft., 200,000 d.w.t. Jetty: Draft 62 ft., 150,000 d.w.t. *Fuel:* Not available. *Airport:* Daily service.

Scarborough, Tobago, Trinidad & Tobago:
11.11 N. 60.44 W. 69, 71, 74

Scarborough, U.K.: 54.17 N. 0.23 W. 5

Scarinish, U.K.: 56.29 N. 6.48 W. 5

Scarpanto, see Karpathos.

Scheerhafen, see Kiel.

Schestedt, Germany: 54.22 N. 9.49 E. 12

Scheveningen, Netherlands: 52.06 N. 4.16 E. 7, 8
Max. Size: Draft 4.8 m. *Fuel:* Available.

Schiedam, Netherlands: 51.54 N. 4.25 E. 7, 8
Max. Size: Draft 24 ft. Private: LOA 305 m., draft 33 ft.
Fuel: Available. *Dry Docks:* Largest: 1,000 ft.×35 ft. (depth).
Airport: Rotterdam, 6.4 km.

Schirnau, Germany: 54.21 N. 9.45 E. 12
Max. Size: See Kiel.

Schleswig, Germany: 54.31 N. 9.34 E. 11

Schouten Is., Indonesia 45

Schouwen Is., Netherlands 7
Schreiber, Ontario, Canada: 48.45 N. 87.20 W. 62
Schulau, Germany: 53.34 N. 9.42 E. 10
Sciacca, (Sicily), Italy: 37.30 N. 13.05 E. 24
Scilla, Italy: 38.05 N. 15.50 E. 24
Scilly Is., U.K. 5, 19
Scituate, Massachusetts, U.S.A.: 42.12 N. 70.43 W. 63
Scoresbysund, Greenland, (Denmark): 70.25 N. 21.55 W. 17
Scotia Sea 72
Scotland, (U.K.) 5
Scott Is., Br. Columbia, Canada: 50.45 N. 128.40 W. 56
Scrabster, U.K.: 58.37 N. 3.32 W. 5
Max. Size: 2,500 d.w.t., draft 5.2 m. *Fuel:* 24 hours' notice. *Airport:* Wick, 20 miles.
Scutari, Albania: 42.00 N. 19.30 E. 24
Sea of:
Azov 21, 26
Crete 25, 26
Japan 42, 44
Marmara 26
Okhotsk 42
Pechorskaya 16
Seaforth, see Liverpool.
Seaham Harbour, U.K.: 54.50 N. 1.19 W. 5, 6
Max. Size: Largest vessel: LOA 106 m., beam 16 m. *Fuel:* Available. *Airport:* Newcastle, 32 km.
Seahorse Point, N.W.T., Canada: 63.48 N. 80.09 W. 59
Seal Cove, (Grand Manan Is.), New Brunswick, Canada: 44.36 N. 66.52 W. 60
Searsport, Maine, U.S.A.: 44.28 N. 68.56 W. 55, 60
Max. Size: Draft 38 ft. Tankers: Depth 34 ft. (LW). *Fuel:* No. 6 oil at dock. Light oils by tank truck. *Dry Docks:* None. *Airport:* Bangor, 30 miles.
Seattle, Washington, U.S.A.: 47.36 N. 122.20 W. 55, 56
Max. Size: Depths alongside 10.6 m. – 21 m. (MLLW). Airdraft – 155 ft. *Fuel:* Available. *Dry Docks:* Up to 20,000 tons. *Airport:* Sea-Tac International.
Seba, Indonesia: 10.29 S. 121.51 E. 45
Sebarok, see Singapore.
Sebuku Terminal, Indonesia: 3.51 N. 118.07 E. 45
Secretary Is., New Zealand: 45.15 S. 166.56 E. 52
Seddon Island, see Tampa.
Segond, see Santo.
Seguam Is., (Aleutian Islands), Alaska, U.S.A. 54
Seguntur, Indonesia: 2.00 N. 117.52 E. 38
Sejero Is., Denmark: 55.55 N. 11.10 E. 11
Sejingkat, Sarawak, Malaysia: 1.35 N. 110.26 E. 38
Max. Size: Vessels up to 580 ft. LOA and 25 ft. draft regularly use anchorage. *Fuel:* Not available.
Sekondi, see Takoradi.
Sekiu, Washington, U.S.A.: 48.17 N. 124.19 W. 56
Sekupang, Indonesia: 1.07 N. 103.55 E. 40
Max. Size: Depth 12 m. *Fuel:* Not available.
Selat Lalang, Indonesia: 1.11 N. 102.13 E. 39
Max. Size: 140,000 d.w.t., LOA 280 m., depth 22.7 m. *Fuel:* Not available. *Airport:* Pekanbaru.
Selawik, Alaska, U.S.A.: 66.30 N. 160.09 W. 54
Selby, U.K.: 53.47 N. 1.04 W. 5
Seldovia, Alaska, U.S.A.: 59.25 N. 151.45 W. 54
Selfs Point, see Hobart.
Selimye, Turkey: 36.40 N. 31.50 E. 26
Selsey Bill, U.K.: 50.44 N. 0.47 W. 7
Selvagen Is., (Portugal): 30.10 N. 15.55 W. 27
Selvik, see Svelvik.
Semangka Bay, see Teluk Semangka.
Semarang, Indonesia: 7.01 S. 110.27 E. 38
Max. Size: Depth 9 m. *Fuel:* Only for coasters (Fuel oil and diesel). *Airport:* 5 miles.
Sembawang, see Singapore.
Seme, Benin: 6.18 N. 2.39 E. 28
Max. Size: Draft 14.0 m., 120,000 d.w.t. (Part load), depth 18 m., *Fuel:* Not available.
Semirara Is., Philippines: 12.03 N. 121.22 E. 45
Semisopochnoi, Rat Is., (Aleutian Is.), Alaska, U.S.A.: 51.58 N. 179.40 E. 54
Semporna, Sabah, Malaysia: 4.29 N. 118.37 E. 38, 45, 46
Max. Size: Depth alongside 26 ft.
Senboku, see Sakai.
Senbong, North Korea: 42.20 N. 130.24 E. 42
Max. Size: SPM for VLCC's. *Fuel:* Available.
Sendai, Japan: 38.16 N. 140.58 E. 42
Max. Size: Draft 11.5 m. Tankers: Draft 17 m. *Fuel:* Available.
SENEGAL 27
Senigallia, Italy: 43.42 N. 13.12 E. 24
Senipah Terminal, Indonesia: 1.03 S. 117.13 E. 38
Max. Size: Up to 150,000 d.w.t. at SBM, loading 125,000 tons cargo. (Minimum 33,000 d.w.t.). LOA: Minimum 195 m., maximum 275 m. Depth 28 m. *Fuel:* Not available. *Airport:* Senipah.
Senj, Yugoslavia: 44.59 N. 14.53 E. 24
Senja Is., Norway 9, 15
Senyavin Is., Micronesia: 7.01 N. 158.12 E. 48
Senzaki, Japan: 34.24 N. 131.11 E. 44
Sepasu, Indonesia: 1.00 N. 117.50 E. 38
Sepetiba Terminal, Guaiba Island, Brazil: 23.00 S. 44.02 W. 72
Max. Size: Draft 22 m. (Ore), 15 m. (Coal). *Fuel:* Not available.
Sept Iles, Quebec, Canada: 50.11 N. 66.23 W. 60
Max. Size: Iron ore – loading: LOA 1,600 ft., beam 175 m., draft 57 ft. Tankers: LOA 775 ft., draft 40 ft. *Fuel:* Emergency only.
Seram Is., Indonesia 45
Serasan Is., see Royalist Haven.
Seria, Brunei: 4.43 N. 114.19 E. 38
Max. Size: SBM 1: 320,000 d.w.t., draft 17.33 m. SBM 2: 200,000 d.w.t., draft 15.81 m. *Fuel:* Not available. *Airport:* Bandar Seri Begawan, 1.5 hrs. by car.
Serifos Is., Greece 25, 26
Sermata Is., Indonesia: 8.11 S. 128.50 E. 45
Serrana Bank: 14.25 N. 80.20 W. 69
Serui, Indonesia: 1.54 S. 136.15 E. 38, 45
Seskaro Is., Sweden 9, 15
Sestao, see Portugaleta.
Sestoretsk, U.S.S.R.: 60.10 N. 30.00 E. 10
Sestri, Italy: 44.16 N. 9.23 E. 24
Sete, France: 43.24 N. 3.42 E. 21, 22
Max. Size: Commercial Port: Draft 11 m. Ore: LOA 225 m., draft 13.18 m. Tankers: CBM: 100,000 d.w.t., draft 13.1 m. Basin: 35,000 d.w.t., LOA 225 m., draft 11 m. *Fuel:* All qualities available. *Airport:* Montpellier, 30 km.
Setubal, Portugal: 38.30 N. 8.55 W. 20
Max. Size: Draft 27 ft. *Fuel:* Available. *Dry Docks:* For up to 700,000 d.w.t. *Airport:* Lisbon, 50 miles.
Sevastopol, U.S.S.R.: 44.36 N. 33.31 E. 21, 26
Seven Islands, see Sept Isles.
Severn, see Waubaushene.
Severodvinsk, U.S.S.R.: 64.34 N. 39.47 E. 16
Severomorsk, U.S.S.R.: 69.05 N. 33.27 E. 16
Seville, Spain: 37.25 N. 6.00 W. 20, 21, 22
Max. Size: Beam 24.2 m., draft 23 ft. (Lock: Length 200 m., width 25 m.) *Fuel:* All grades. *Dry Docks:* Length 149 m., breadth 25 m. *Airport:* 12 km., connects with Madrid.
Seward, Alaska, U.S.A.: 60.06 N. 149.27 W. 54
Max. Size: Depth 35 ft. (MLLW). *Fuel:* Marine Gas oil and diesel fuel (Summer only) from pipe-line. *Airport:* 1 mile, charter service.
Sewaren, New Jersey, U.S.A., see Port Reading.
SEYCHELLES ISLANDS 30
Seydhisfjord, Iceland: 65.15 N. 14.00 W. 17
Sfaktiria, see Pylos.
Sfax, Tunisia: 34.44 N. 10.46 E. 24
Max. Size: LOA 185 m. – 200 m., beam 26 m., draft 32 ft. – 33 ft. *Fuel:* Available. *Airport:* 7 km. No regular services.
Shadwan Is., see Shakir.
Shahid Rejale, Iran: 27.04 N. 56.06 E. 35
Shaibara Is., Saudi Arabia: 25.25 N. 36.49 E. 32
Shakhtersk, U.S.S.R.: 49.10 N. 142.02 E. 42
Shakir Is., Egypt: 27.30 N. 34.00 E. 32
Shaktolik, Alaska, U.S.A.: 64.10 N. 161.00 W. 54
Shallufa, Egypt: 30.05 N. 32.35 E. 33
Shanghai, China: 31.14 N. 121.28 E. 1, 41, 45
Max. Size: Draft 9.5 m. (F.W.). *Fuel:* Available. *Airport:* 25 km.
Shannon Estuary, Eire 5
See Tarbert, Foynes, Money Point and Aughinish Is.
Shannon Is., Greenland, (Denmark): 75.00 N. 18.00 W. 17
Shantou, China: 23.23 N. 116.40 E. 38, 41
Max. Size: Draft 6.0 m. in channel, 16,000 d.w.t. *Fuel:* Not available.
Shanwei, China: 22.47 N. 115.22 E. 41
Shapinsay Is., U.K.: 59.03 N. 2.55 W. 5
Sharak, Iran: 26.44 N. 54.11 E. 35
Sharjah, U.A.E.: 25.22 N. 55.24 E. 31, 35
Max. Size: Draft 11.5 m. Tankers: Draft 9.5 m. *Fuel:* Fuel oil, gas oil or blends. *Dry Docks:* None. *Airport:* Sharjah, 15 km.
Shark Bay, see Carnarvon.
Shark Bay, W.A., Australia 49
Sharm El Sheikh, Egypt: 27.53 N. 34.15 E. 32
Sharma, see Al Wajh.
Sharpness, U.K.: 51.43 N. 2.29 W. 5, 6, 7
Max. Size: Beam 55 ft. (16.76 m.), draft 21 ft. 6 in. (6.55 m.). See also Gloucester and Sharpness Canal. *Fuel:* Most grades available. *Dry Docks:* 360 ft.×47 ft.×14 ft. over blocks. *Airport:* London or Birmingham within 2 hours.
Shatt Al Arab, Iraq/Iran 35
Sheboygan, Wisconsin, U.S.A.: 43.45 N. 87.42 W. 62
Shediac, New Brunswick, Canada: 45.13 N. 61.32 W. 60

Sheerness, U.K.: 51.27 N. 00.44 E. 5, 6, 7
(incl. Queenborough: 51.26 N. 0.44 E.)
Max. Size: LOA 230 m., draft 11.0 m.
Queenborough: Depth 5.8 m. *Fuel:* Available.
Dry Docks: Up to 86 m. *Airports:* London and Gatwick.
Sheet Harbour, Nova Scotia, Canada: 44.50 N. 62.30 W. 60
Max. Size: Depth 6.4 m. *Fuel:* Available.
Airport: Halifax, 75 miles.
Sheikh Shuaib, see Lavan Island.
Shelburne, Nova Scotia, Canada: 43.45 N. 65.19 W. 60
Sheldons Point, Alaska, U.S.A.: 62.15 N. 165.00 W. 54
Shelikhova Gulf, U.S.S.R. 54
Shelikof Strait, Alaska, U.S.A. 54
Shell Harbour, N.S.W., Australia, see Port Kembla.
Shellhaven, see Coryton.
Shelton, Washington, U.S.A.: 47.13 N. 123.06 W. 56
Shenao, see Chi Lung.
Shengjin, Albania: 41.49 N. 19.35 E. 24
Max. Size: Draft 18 ft. *Fuel:* Not available.
Sheppey, Isle of, U.K. 7
Shepstone, see Port Shepstone.
Sherbro Is., Sierra Leone: 7.30 N. 12.40 W. 27
Max. Size: Draft 24 ft. 6 in., LOA 470 ft.
Sherbrooke, Nova Scotia, Canada: 45.08 N. 61.59 W. 60
Sherm Rabegh, see Rabigh.
Sheskharis, see Novorossiysk.
Shetland Islands, U.K. 5
Shiashkotan Is., Kurile Islands, U.S.S.R. 42
Shibushi, Japan: 31.28 N. 131.07 E. 44
Max. Size: LOA 240 m., draft 11.5 m. *Dry Docks:* None.
Airport: Kagoshima
Shibushi Bay, Kyushu, Japan 44
Shido, Japan: 34.18 N. 134.10 E. 44
Shihpu, China: 29.13 N. 121.57 E. 41
Shihr, Yemen: 14.45 N. 49.36 E. 31
Shijiusuo, China: 35.22 N. 119.17 E. 41
Max. Size: LOA 280 m., draft 14.0 m. in channel.
Fuel: Available from Qingdao or Lianyungang.
Airport: Qingdao, 140 km.
Shika, Japan: 24.30 N. 124.00 E. 41
Shikama, Japan: 34.47 N. 134.39 E. 44
Max. Size: Draft 10 m. *Fuel, etc.:* See Himeji.
Shikoku, Japan 42, 44
Shikotan Is., Kurile Islands, U.S.S.R. 42
Shimabara, Japan: 32.47 N. 130.21 E. 44
Shimanzi, see Mombasa.
Shiminato, Japan: 34.10 N. 132.15 E. 44
Shimizu, (Honshu), Japan: 35.00 N. 138.30 E. 42
Max. Size: Dry-cargo: Draft 12 m. Tankers: Draft 22 m., 250,000 d.w.t. *Fuel:* All grades.
Dry Docks: Largest: 135 m. × 27.8 m. Capacity 7,900 tons.
Airport: 263 km. to Narita (Tokyo).
Shimizu, (Shikoku), Japan: 32.46 N. 132.57 E. 44
Shimoda, Japan: 34.40 N. 138.57 E. 42
Shimogo, Japan: 34.03 N. 131.20 E. 44
Shimoni, Kenya: 4.37 S. 39.20 E. 30
Shimonoseki, Japan: 33.57 N. 130.58 E. 43, 44
Max. Size: LOA 230 m., depth 10 m. Tankers: LOA 246 m., draft 15 m. 95,000 d.w.t. *Fuel:* All grades will be lightered from the nearest bunker stock ports.
Dry Docks: Largest vessel size: 160 m. × 22.5 m. × 5.5 m.
Airport: Kitakyushu, 18 km.
Shimotsu, Japan: 34.06 N. 135.08 E. 44
Max. Size: Up to 18.5 m. draft, LOA 480 m., 236,000 d.w.t. Sea Berth: 245,000 d.w.t., draft 24 m. *Fuel:* Most grades available. *Dry Docks:* See Yura. *Airport:* Osaka.
Shin Tao, China: 36.55 N. 122.25 E. 41
Shinas, Oman: 24.45 N. 56.29 E. 35
Shingu, Japan: 33.41 N. 135.58 E. 42
Shinminato, see Fushiki.
Shiogama, Japan: 38.20 N. 141.03 E. 42
Max. Size: LOA 160 m., draft 8.5 m.
Fuel: Bonded oil will be brought from Yokohama or Sendai.
Ship Harbour, Nova Scotia, Canada: 44.49 N. 62.53 W. 60
Max. Size: HWOST 2.2 m. above CD. Wharf unusable.
Airport: Halifax, 120 km.
Ship Is., Mississippi, U.S.A.: 30.14 N. 88.57 W. 67
Shippegan Harbour, New Brunswick, Canada:
47.45 N. 64.42 W. 60
Max. Size: Depth 25 ft. *Airport:* Chatham, 70 miles.
Shiraz, Iran: 29.40 N. 52.30 E. 31
Shishimi, Japan: 34.32 N. 129.20 E. 44
Shishmaref, Alaska, U.S.A.: 66.15 N. 166.05 W. 54
Shizuki, Japan: 34.30 N. 134.58 E. 44
Shodoshima, see Tonosho.
Shoeburyness, U.K.: 51.32 N. 0.50 E. 7
Shokalski Is., U.S.S.R.: 73.00 N. 74.10 E. 16
Shoreham, U.K.: 50.50 N. 0.15 W. 5, 7
Max. Size: LOA 105.9 m., beam 16.7 m., draft 6.7 m., subject tide. East Arm: LOA 120 m., draft 6.4 m.
Fuel: By road tanker. *Airport:* London (Gatwick).
Shortland Harbour, Solomon Is: 7.04 S. 155.52 E. 48
Max. Size: LOA 125 m., draft 8 m. (LT).
Fuel: Not available. *Airport:* 5 miles by sea.
Shotton, see Flint, U.K.
Shouwen Is., see Zijpe.
Shoyna, U.S.S.R.: 67.55 N. 44.15 E. 16
Shuaiba, Kuwait: 29.03 N. 48.09 E. 31, 35
Max. Size: Draft up to 12 m. Tankers: Up to 13.71 m. draft.
Fuel: Marine fuel and diesel oil. *Dry Docks:* None.
Shubertovo, U.S.S.R.: 56.03 N. 161.58 E. 54
Shumagin Is., Alaska, U.S.A. 54
Shuwaikh, Kuwait: 29.21 N. 47.56 E. 35
Max. Size: Draft 31 ft. 6 in. (9.6 m.), LOA 225 m.
Fuel: Light bunker fuel oil, marine diesel oil and gas oil.
Dry Docks: Floating dock with capacity 35,000 tons.
Airport: 17 km.
Siak, Indonesia: 0.48 N. 102.04 E. 38
Siargao Is., Philippines 46
Siasi, Philipines: 5.33 N. 120.49 E. 46
Sibenik, Yugoslavia: 43.44 N. 15.53 E. 21, 24
Max. Size: Depth to 33 ft. alongside. *Fuel:* Diesel and gas oil in small quantities. *Airport:* Split.
Siberia, U.S.S.R. 54
Siberut Is., Indonesia 38
Sibolga, Indonesia: 1.44 N. 98.45 E. 38, 39
Max. Size: Draft 5.3 m. *Fuel:* Not available.
Sibu, Sarawak, Malaysia: 2.24 N. 111.56 E. 38, 45
Max. Size: Largest vessel to berth: 7,372 gross tons and LOA 137 m. Deepest drafted vessel to berth was 23 ft. 4 in. (7.1 m.). *Dry Docks:* Slipway – 2,000 tons.
Sibuco, Mindanao, Philippines: 7.18 N. 122.08 E. 46
Sibuti, Sarawak, Malaysia: 4.04 N. 113.48 E. 38
Max. Size: Anchorage: Depth 30 ft., 3.5 miles offshore.
Sicilian Channel 24
Sicily, Italy 21, 24
Siderno, Italy: 38.16 N. 16.17 E. 24
Sidi Ifni, Morocco: 29.26 N. 10.12 W. 27
Sidi Kerir, Egypt: 31.06 N. 29.37 E. 26
Max. Size: SBM: Up to 285,000 d.w.t., draft 75 ft.
Fuel: Not available. *Dry Docks:* Alexandria.
Sidney, British Columbia, Canada: 48.40 N. 123.23 W. 56
Sidon, Lebanon: 33.30 N. 35.21 E. 26
Max. Size: Tankers up to 100,000 d.w.t., or approx. 55 ft. draft (Summer). Winter – 80,000 d.w.t. *Fuel:* Available.
Sidor, see Matanzas.
SIERRA LEONE 27, 29
Sifnos Is., Greece 25
Sigli, Indonesia: 5.24 N. 95.59 E. 38, 39
Siglufjord, Iceland: 66.10 N. 18.50 W. 17
(incl. Olafsfjordur: 66.05 N. 18.38 W.)
Max. Size: Depths up to 23 ft. LW. *Fuel:* Available.
Signy Is., see South Orkney Is.
Sigri, Greece: 39.13 N. 25.52 E. 25
Sigtuna, Sweden: 59.36 N. 17.44 E. 10
Siilinsarvi, see Saimaa Canal.
Sikea, Sweden: 64.09 N. 20.59 E. 15
Sikinos Is., Greece: 36.40 N. 25.07 E. 25
Sikka, India: 22.30 N. 69.50 E. 37
(incl. Tanker Terminal: 22.34 N. 69.42 E.)
Max. Size: Tankers: At least 149,000 d.w.t.
Airport: 1.5 hours by car.
Silay, Negros, Philippines: 10.48 N. 122.58 E. 46
Sile, Turkey: 41.10 N. 29.35 E. 25, 26
Silinjarvi, Finland: 63.05 N. 27.41 E. 9
Max. Size: See Saimaa Canal.
Silistra, Bulgaria: 44.07 N. 27.15 E. 26
Silivri, Turkey: 41.04 N. 28.16 E. 25
Silloth, U.K.: 54.52 N. 3.24 W. 5
Max. Size: LOA 90 m., beam 15 m., draft 6 m. (Springs).
Fuel: Available. *Dry Docks:* None. *Airport:* Carlisle, 39 km.
Silver Bay, Minnesota, U.S.A.: 47.30 N. 91.02 W. 62
Silverdale, Washington, U.S.A.: 47.39 N. 122.42 W. 56
Simeulue Is., Indonesia 38
Simi Is., Greece: 36.37 N. 27.51 E. 25
Simonstown, South Africa: 34.11 S. 18.26 E. 29
Simpson, see Port Simpson.
Simrishamn, Sweden: 55.33 N. 14.21 E. 10
Simushir Is., Kurile Islands, U.S.S.R. 42
Sinabang, Indonesia: 2.27 N. 96.24 E. 38
Sinco, see Houston, U.S.A.
Sines, Portugal: 37.57 N. 8.52 E. 20
Max. Size: LOA 350 m., draft 22.5 m. *Fuel:* Available.
Airport: Lisbon, 165 km.

SINGAPORE: 1.16 N. 103.50 E. **1, 38, 39, 40, 45**
Inc. Jurong (1.18 N. 103.42 E.), Pulau Bukom (1.14 N. 103.46 E.), Pulau Ayer Chawan, Sembawang (1.27 N. 103.50 E.), Tanjong Penjuru (1.18 N. 103.45 E.) and Sebarok (1.12 N. 103.48 E.).
Max. Size: Keppel Harbour: Depth 6 m. – 10.8 m.
Jurong: Depth 5 m. – 12.3 m.
Tanjong Pagar: Depth 9.5 m. – 14.0 m.
Telok Ayer: Depth 4 m. – 6.6 m.
Sembawang: Depth 9.2 m. – 11.6 m.
Pasir Panjang: Depth 7 m. – 10.6 m.
Pulau Seraya: Depth 13 m. – 13.1 m.
Pulau Sebarok: Depth 10.4 m. – 16.4 m.
Tankers: Depth: Up to 25.2 m. at SBM (Shell).
Fuel: All grades. *Dry Docks:* 400,000 d.w.t. super graving dock.
Airport: International.

Singapore/Malacca Straits:
Max. Size: Transit draft 20.5 m.

Singkawang, Indonesia: 1.00 N. 109.10 E. **38**

Singkel, Indonesia: 2.16 N. 97.47 E. **38**

Singkep Is., Indonesia **38**

Sinoe Bay, see Granville.

Sinop, Turkey: 42.01 N. 35.08 E. **26**
Max. Size: Draft 7.5 m. *Airport:* Samsun, 190 km.

Sinpo, North Korea: 40.03 N. 128.10 E. **41, 42**

Sint Michielsbay, (Curacao), Netherlands Antilles:
12.09 N. 69.01 W. **69**
Max. Size: Anchorage port with buoy for vessels up to 350,000 d.w.t.

Sinucane Is., see Port Hedland.

Sinuiju, North Korea: 40.00 N. 124.30 E. **41**

Sinuk, Alaska, U.S.A.: 64.30 N. 166.05 W. **54**

Siplitang, Sabah, Malaysia: 05.03 N. 115.31 E. **38**
Max. Size: 15,000 d.w.t.

Siporex, see Skelleftehamn.

Sippican Harbour, see Marion, U.S.A.

Sipura Is., Indonesia **38**

Sir Abu Nuair Is., U.A.E.: 25.13 N. 54.13 E. **35**

Sir Bani Yas Is., U.A.E.: 24.19 N. 52.36 E. **35**

Sir Edward Pellow Group, Australia **49**

Siracusa, see Syracuse.

Sirna Is., Greece: 36.22 N. 26.42 E. **25**

Sirri Island, Iran: 25.54 N. 54.33 E. **31, 35**
Max. Size: LOA 365 m., draft 24.00 m., 330,000 d.w.t.
Fuel: Not available. *Airport:* Service to Tehran.

Sirte, Libya: 31.13 N. 16.35 E. **24**

Sirtica Terminal, see Ras Lanuf.

Sisal, Mexico: 21.10 N. 90.03 W. **69**

Sisimut, Greenland, (Denmark): 66.56 N. 53.40 W. **17**
Max. Size: LOA 136 m., beam 20 m., draft 7.2 m.
Airport: Heliport.

Sitia, (Crete), Greece: 35.13 N. 26.08 E. **25**

Sitka, Alaska, U.S.A.: 57.03 N. 135.20 W. **56**
Max. Size: Harbour depth 22 ft. (MLLW). *Fuel:* Not available.

Sitra, Bahrain: 26.09 N. 50.40 E. **31, 35**
Max. Size: Tankers: Sailing draft 13.4 m. Alba Marine Facilities: Up to 35,000 d.w.t., LOA 200 m., depth 32 ft. – 34 ft. AISCO: 60,000 d.w.t. – 100,000 d.w.t., 240 m. – 290 m. LOA, draft 12.8 m. *Fuel:* Available. *Airport:* 15 miles.

Six Is., see Egmont Is.

Sjaelland, see Zealand.

Sjotorp, Sweden: 58.50 N. 14.00 E. **10**

Sjovegan, Norway: 68.53 N. 17.50 E. **15**

Skadovsk, U.S.S.R.: 46.06 N. 32.55 E. **26**

Skaelskor, Denmark: 55.15 N. 11.18 E. **10, 11**
Max. Size: Draft 4.2 m., LOA 60 m., beam 10 m.
Fuel: Available. *Airport:* Nearest at Copenhagen.

Skaerbaek, Denmark: 55.31 N. 9.37 E. **10**
Max. Size: LOA 250 m., draft 38 ft. *Fuel:* Available by barge.
Dry Docks: None. *Airport:* Odense, 50 km.

Skagastrond, Iceland: 65.50 N. 20.20 W. **17**
Max. Size: Max. draft 19 ft. *Fuel:* Available.
Airport: Blonduos, 20 km.

Skagen, Denmark: 57.43 N. 10.36 E. **10, 11**
Max. Size: LOA 125 m., beam 18 m., draft 6.7 m.
Fuel: Barges.

Skagerrak **9, 10, 11**

Skagway, Alaska, U.S.A.: 59.27 N. 135.18 W. **56**
Max. Size: Harbour depth 30 ft. Tides diurnal range 16.7 ft.
Fuel: Available. *Airport:* Internal, daily flights.

Skallvik, Sweden: 58.28 N. 16.43 E. **10**

Skandia Harbour, see Gothenburg.

Skanevik, Norway: 59.44 N. 5.57 E. **10**

Skanor, see Falsterbo.

Skantzoura Is., Greece: 39.05 N. 24.06 E. **25**

Skaramanga, Greece: 37.59 N. 23.35 E. **23, 25, 26**
Max. Size: See Eleusis. *Dry Docks:* Capacity 500,000 tons.
Airport: Athens.

Skarvik Harbour, see Gothenburg.

Skegness, U.K.: 53.10 N. 0.20 E. **5**

Skeldon, Guyana: 5.58 N. 57.21 W. **69**

Skelleftea, Sweden: 64.45 N. 20.58 E. **15**

Skelleftehamn, Sweden: 64.41.N. 21.15 E. **15**
Max. Size: Depth 21 ft. – 30 ft. Tankers: LOA 200 m., draft 11 m. *Fuel:* All usual grades. *Airport:* 18 km.

Skelskor, see Gulfhavn.

Skeppsviken, see Uddevalla.

Skerries, Eire: 53.35 N. 6.06 W. **5**

Skerryvore, U.K.: 56.15 N. 7.02 W. **5**

Skiathos Is., Greece: 39.10 N. 23.30 E. **24, 25**

Skidegate, see Queen Charlotte.

Skien, Norway: 59.12 N. 9.38 E. **8, 9, 10**
Max. Size: Between Menstad and Skien: Grain Silo for vessels LOA 425 ft., draft 18 ft. 6 in.
At Skien: LOA 280 ft., draft 17 ft.
Dry Docks: Capacity 2,000 tons. *Airport:* Oslo and Skien.

Skikda, Algeria: 36.53 N. 6.54 E. **22**
Max. Size: Draft 10.5 m., LOA 290 m. Tankers: Draft 14.8 m., LOA 260 m. *Fuel:* Available by barge.
Airport: Constantine, 100 km. Annaba, 130 km.

Skinnarvik, Finland: 60.08 N. 22.29 E. **10**

Skiros Is., Greece: 38.55 N. 24.34 E. **25, 26**

Skive, Denmark: 56.34 N. 9.03 E. **10, 11**

Skjervoy, Norway:70.02 N. 20.58 E. **9, 15**

Skogby, Finland: 59.55 N. 23.19 E. **10**
Max. Size: Depth 7 m., LOA 165 m. *Airport:* Helsinki, 120 km.

Skoghall, Sweden: 59.21 N. 13.29 E. **10**

Skogn, see Fiborgtangen.

Skoldvik, Finland: 60.18 N. 25.33 E. **10, 13**
Max. Size: Up to about 260,000 d.w.t., draft 15.3 m.
Fuel: Marine fuel oil and marine diesel oil.
Airport: Helsinki, 50 km.

Skonvik, see Vistarvarv.

Skopelos Is., Greece: 39.07 N. 23.44 E. **25**

Skredsvik, Sweden: 58.25 N. 11.30 E. **10**
Max. Size: LOA 180 m. – 190 m., draft 10.0 m.
Fuel: Can be supplied. *Airport:* Nearest at Gothenburg.

Skudeneshavn, Norway: 59.09 N. 5.16 E. **10**
Max. Size: LOA 90 m., depth 5.5 m. *Fuel:* Available.
Dry Dock: 74 m.×14 m.×4.4 m. *Airport:* Karmoy.

Skuratov Point, U.S.S.R.: 72.56 N. 69.23 E. **16**

Skuru, Finland: 60.05 N. 23.33 E. **10**

Skuthhamn, see Pitea.

Skutskar, Sweden: 60.35 N. 17. 25 E. **10**

Skutvik, Norway: 68.00 N. 15.30 E. **15**

Skye, U.K.: 57.12 N. 6.10 W. **5**

Skyros, see Skiros.

Slagen, Norway: 59.20 N. 10.31 E. **8, 10**
Max. Size: Tankers up to 350 m. LOA and 66 ft. draft can be berthed. *Fuel:* All main grades. *Dry Docks:* None.
Airport: Oslo, 100 km.

Slano, Yugoslavia: 42.47 N. 17.53 E. **24**

Slate Is., Lake Superior, Canada **62**

Slavyanka, U.S.S.R.: 42.53 N. 131.25 E. **42**

Sleeper Is., N.W. Territories, Canada, ... **59**

Slemmestad, Norway: 59.47 N. 10.30 E. **8, 10**

Slidell, Louisiana, U.S.A.: 30.18 N. 89.47 W. **67**

Sligo, Eire: 54.16 N. 8.28 W. **5**
Max. Size: LOA 320 ft., draft 21 ft. spring tides, 18 ft. neap tides.
Fuel: All grades. *Airport:* Strandhill, Sligo.

Slite, Gotland Island, Sweden: 57.42 N. 18.50 E. **10**
Max. Size: Draft 21 ft. 6 in. alongside for cargo vessels. Bulk cement berth depth is 8.4 m. *Fuel:* Practically all grades bunker oil. *Dry Docks:* None. *Airport:* Visby, 40 km.

Sluiskill, Netherlands: 51.17 N. 3.50 E. **7**
(incl. Sas van Gent)
Max. Size: Draft 10 m. – 10.15 m.
(Sas van Gent: Draft 7.5 m.). See also Ternuizen.

Slyne Head, Eire: 53.25 N. 10.10 W. **5**

Smalkalden, Suriname: 5.37 N. 55.05 W. **69**
Max. Size: Depth alongside 30 ft., LOA 700 ft., ships load to bar draft, see Paranam. *Fuel:* Not available.
Airport: Zanderij, 30 km.

Smiths Bluff, Texas, U.S.A.: 30.00 N. 93.59 W. **60**
Max. Size: Depth at berth 40 ft. *Fuel:* All grades.
Dry Docks: See Port Arthur.

Smithton, Tasmania, Australia: 40.51 S. 145.07 E. **49**

Smogen, Sweden: 58.22 N. 11.13 E. **10**

Smoky Bay, S.A., Australia: 32.23 S. 133.55 E. **49**

Snails Bay, see Sydney, Australia.

Snares Is., New Zealand: 48.01 S. 166.32 S. **52**

Snasa, Norway: 64.15 N. 12.10 E. **15**

Snekkersten, Denmark: 56.00 N. 12.36 E. **11**

Snell Lock, see St. Lawrence Seaway.

Snodland, U.K.: 51.19 N. 0.25 E. **7**

Snug Cove, see Horseshoe Bay.

Soalala, Madagascar: 16.05 S. 45.20 E. **30**

Soares Dutra Terminal, see Tramandai.

Sobo, see Brighton, Trinidad.

Soby, Denmark: 54.57 N. 10.16 E. . . . 11
Sochi, U.S.S.R.: 43.34 N. 39.43 E. . . . 26
Max. Size: Draft 8 m., LOA 190 m., beam 25 m.
Fuel: Not available.
Society Islands, French Polynesia . . . 48
Socony, see Cartaret.
Socorro Is., Revilla Gigedo Islands, Mexico:
18.45 N. 111.00 W. . . . 57
Socotra, Yemen . . . 18, 31
Soderhamn, Sweden: 61.18 N. 17.05 E. . . . 9, 15
Includes Stugsund (61.18 N. 17.07 E.) and Orrskar Woodchip Berth. *Max. Size:* Orrskar: Depth 12.8 m. ML. Stugsund: Depth 6 m. ML. Soderhamn: Depth 3.5 m. ML. *Fuel:* Any normally used grades. *Airport:* Stockholm.
Soderkoping, Sweden: 58.30 N. 16.20 E. . . . 10
Sodertalje, Sweden: 59.12 N. 17.38 E. . . . 9, 10
Max. Size: LOA 200 m., beam 32 m., draft 9 m.
Fuel: Available. *Dry Docks:* Nearest Stockholm.
Airport: Stockholm, 60 km.
Sodra Nyhamn, see Essvik.
Sodus Bay, New York, U.S.A.: 43.15 N. 77.00 W. . . . 62
Soervaag, Faroe Islands, (Denmark): 62.04 N. 7.18 W. . . . 5
Max. Size: Largest vessel: 12,000 d.w.t. tanker. Depth at pier 8 m. *Fuel:* Marine diesel fuel, turbo-jet A1-100, gasoline-petroleum. *Dry Docks:* Up to 1,500 d.w.t. *Airport:* 3 km.
Sogod, Leyte, Philippines: 10.23 N. 124.59 E. . . . 46
Sohar, Oman: 24.22 N. 56.46 E. . . . 35
Sola, Norway: 58.55 N. 5.35 E. . . . 10
Max. Size: 240,000 d.w.t., LOA 1,100 ft., draft 52 ft.
Fuel: All grades. *Airport:* Sola, 3 km. Also see Stavanger.
Solander Is., New Zealand: 46.36 S. 166.54 E. . . . 52
Soledad, Venezuela: 8.10 N. 63.39 W. . . . 74
Solenzara, (Corsica), France: 41.53 N. 9.25 E. . . . 24
Solito, Venezuela: 9.05 N. 71.55 W. . . . 69, 73
Soller, Majorca, Spain: 39.47 N. 2.46 E. . . . 22
Max. Size: LOA 60 m., draft 4.50 m. *Fuel:* Not available.
Airport: 40 km.
Solombala, U.S.S.R.: 64.35 N. 40.30 E. . . . 16
Solomon, Alaska, U.S.A.: 64.33 N. 164.24 W. . . . 54
SOLOMON ISLANDS . . . 45, 48
Solomon Sea . . . 45
Solomons Is., Maryland, U.S.A.: 38.19 N. 76.27 W. . . . 63
Solta Is., Yugoslavia . . . 24
Solund, Norway: 61.08 N. 4.45 E. . . . 16
Solvesborg, Sweden: 56.03 N. 14.35 E. . . . 9, 10
Max. Size: LOA 170 m., breadth 30 m., draft 7.7 m.
Fuel: Available. *Dry Docks:* 341 ft. × 51 ft. × 14.5 ft. deep on sill (HWOST). *Airport:* Kristianstad, 50 km.
Solway Firth, U.K. . . . 5
SOMALIA (SOMALI DEMOCRATIC REPUBLIC) . . . 30, 31, 32
Sombra, Ontario, Canada: 42.43 N. 82.29 W. . . . 62
Sombrero Channel, (Nicobar Islands), India . . . 38
Sombrero Is., (U.K.): 18.36 N. 63.29 W. . . . 69
Sombrero Key, Florida, U.S.A.: 24.38 N. 81.07 W. . . . 66, 69
Somerset, Somerset Is., Bermuda, (U.K.): 32.18 N. 64.51 W. . . . 63
Somoza, see Puerto Sandino.
Sonderborg, Denmark: 54.55 N. 9.47 E. . . . 10, 11
Max. Size: 30,000 g.r.t., draft 9.5 m., air draft 33 m., LOA 200 m.
Fuel: Available. *Airport:* Connects with Copenhagen.
Sondre Stromfjord, see Camp Lloyd.
Sondre Upernavik, Greenland, (Denmark): 72.09 N. 55.32 W. . . . 17
Songjin, see Chungjin.
Songkhla, Thailand: 7.14 N. 100.35 E. . . . 38
Max. Size: Channel depth 9.0 m.
Sonora, Nova Scotia, Canada: 45.04 N. 61.55 W. . . . 60
Sonsorol, Caroline Is., Micronesia: 5.20 N. 132.19 E. . . . 45
Sooke, British Columbia, Canada: 48.22 N. 123.44 W. . . . 56
Sopot, Poland: 54.28 N. 18.32 E. . . . 10
Soraker, Sweden: 62.30 N. 17.32 E. . . . 15
Sorel, Quebec, Canada: 46.03 N. 73.09 W. . . . 60
Max. Size: Draft 35 ft. (10.67 m.). *Fuel:* All grades.
Dry Docks: Up to 12,000 d.w.t. *Airport:* Montreal, 70 miles.
Soriano, Uruguay: 33.25 S. 58.20 W. . . . 75
Sornainen Harbour, see Helsinki.
Sorol, Caroline Is., Micronesia: 8.09 N. 140.24 E. . . . 45
Sorong, Indonesia: 0.53 S. 131.15 E. . . . 45
Max. Size: 21,000 d.w.t., LOA 175 m., depth 11 m.
Fuel: Available. *Airport:* 8 miles.
Soroy Is., Norway . . . 9, 15
Sorrento, see Portsea.
Sorrento, Italy: 40.38 N. 14.25 E. . . . 24
Sorsogon, Luzon, Philippines: 12.58 N. 124.00 E. . . . 46
Sortland, Norway: 68.42 N. 15.25 E. . . . 15
Sorvaer, Norway: 70.38 N. 21.58 E. . . . 15
Soskua, see Saimaa Canal.
Sosua, Dominican Republic: 19.46 N. 70.31 W. . . . 69
Souellaba, Cameroon: 3.50 N. 9.31 E. . . . 28
Soulange Section, St. Lawrence Seaway . . . 61
Sourabaja, Indonesia: 7.12 S. 112.44 E. . . . 38
Max. Size: Draft for entering access channel is 9.5 m., depth alongside 7 m. – 8.6 m., LOA 210 m. Tankers: Depth 9 m. – 12 m. *Fuel:* Available. *Dry Docks:* 15,500 ton floating dock.
Souris, Prince Edward Is., Canada: 46.21 N. 62.15 W. . . . 60
Sousakion, see Isthmia.
Sousse, Tunisia: 35.50 N. 10.38 E. . . . 24
Max. Size: LOA 170 m., depth 8.7 m.
Airport: Skanes Monastir – 13 km.
SOUTH AFRICA . . . 29, 30
South Amboy, New Jersey, U.S.A.: 40.29 N. 74.16 W. . . . 63
South Andaman Is., (Andaman Is.), India . . . 38
South Australia, (S.A.), Australia . . . 49
South Baymouth, Ontario, Canada: 45.34 N. 82.01 W. . . . 62
South Bend, see Willapa.
South Boston, see Boston.
South Brewer, see Bangor, Maine, U.S.A.
South Cape, (Spitsbergen), Norway: 76.31 N. 16.25 E. . . . 17
South Carolina, U.S.A. . . . 66
South China Sea . . . 38, 45, 46
South East Cape, Tasmania, Australia: 43.38 S. 146.50 E. . . . 49
South East Pass, Mississippi Delta, Louisiana, U.S.A. . . . 67
South Georgia, (U.K.) . . . 51, 68, 72
South Haven, Michigan, U.S.A.: 42.23 N. 86.18 W. . . . 62
South Is., see Agalaga Is.
South Is., New Zealand . . . 52
South Keeling, see Cocos Is.
South Orkney Is., (U.K.): 60.40 S. 45.30 W. . . . 51, 68
South Pagai, Indonesia: 3.00 S. 100.20 E. . . . 38
South Pass, Mississippi Delta, U.S.A. . . . 66, 67
South Riding Point, Grand Bahama, Bahamas:
26.37 N. 78.14 E. . . . 66, 69
Max. Size: Up to 500,000 d.w.t., depth 100 ft.
Fuel: Not available.
South Ronaldsay, U.K.: 58.45 N. 3.00 W. . . . 5
South Sandwich Is., (U.K.): 57.00 S. 27.00 W. . . . 18, 51, 68
(incl. Bristol I.: 59.00 S. 26.35 W.)
South Shetland Is., (U.K.) . . . 68
(incl. Admiralty Bay, King George I.: 62.05 S. 58.15 W. Elephant I.: 61.05 S. 55.00 W. Hope Bay: 63.40 S. 57.00 W. Melchier I.: 64.30 S. 63.30 W. Port Lochroy 64.50 S. 63.27 W.)
South Shields, U.K.: 54.59 N. 1.25 W. . . . 5, 6
Fuel: All grades. *Dry Docks:* Largest: 197.1 m. × 24.4 m. × 7.9 m. depth on sill at MHWS. *Airport:* Newcastle.
See also Tyne District.
South Uist, U.K.: 57.12 N. 7.09 W. . . . 5
South West Cape, Tasmania, Australia: 43.33 S. 146.03 E. . . . 49
South West Cape, New Zealand: 47.16 S. 167.31 E. . . . 52
South West Pass, Mississippi Delta, Louisiana, U.S.A. . . . 66, 67
Max. Size: Project depth 45 ft.
Southampton, U.K.: 50.54 N. 1.24 W. . . . 5, 7
Max. Size: Depths of 42 ft. below Chart Datum at Berths No. 204 – 206. Tankers: See Fawley/Hamble.
Fuel: All grades. *Dry Docks:* 1,141 ft. long overall, 132.5 ft. wide and 34 ft. over the blocks.
Airport: Connects to London Gatwick and London Heathrow.
Southampton Is., N.W. Territories, Canada . . . 59
Southend, U.K.: 51.32 N. 0.43 E. . . . 5, 6, 7
Southport, U.K.: 53.38 N. 5.01 W. . . . 5
Southport, North Carolina, U.S.A.: 33.55 N. 78.01 W. . . . 66
Southwold, U.K.: 52.20 N. 1.40 E. . . . 7
Sovetskaya Gavan, U.S.S.R.: 48.59 N. 140.17 E. . . . 42
Sovetsky, U.S.S.R.: 60.32 N. 28.35 E. . . . 10
Soyo, Angola: 6.07 S. 12.22 E. . . . 29
Max. Size: See Quinfuquena.
SPAIN . . . 19, 20, 21, 22, 27
Spalding, U.K.: 52.46 N. 0.10 W. . . . 7
Spangareid, Norway: 58.03 N. 7.09 E. . . . 10
Spanish, Ontario, Canada: 46.11 N. 82.20 W. . . . 62
Sparrows Point, Maryland, U.S.A.: 39.13 N. 76.29 W. . . . 63, 65
Max. Size: See Baltimore.
Speightstown, Barbados: 13.15 N. 59.38 W . . . 69
Spencer Gulf, S.A., Australia . . . 49
Spetsai Is., Greece: 37.15 N. 23.10 E. . . . 25
Spezia, see La Spezia.
Split, Yugoslavia: 43.31 N. 16.26 E. . . . 21, 24
Max. Size: Draft 29 ft. (8.8 m.) (passenger ships), 35 ft. (10.6 m.) (general cargo) and 37 ft. (11.3 m.) (grain). Tankers: Draft 38 ft. (11.9 m.). *Fuel:* Available. *Dry Docks:* Up to 28,000 d.w.t. *Airport:* 23 km., connects with Belgrade.
Spodsbjerg, Denmark: 54.56 N. 10.50 E. . . . 11
Sprangviken, see Gustafvik.
Spratly Is.: 8.40 N. 111.55 E. . . . 38
Spring Bay, Tasmania, Australia: 42.33 S. 147.56 E. . . . 49
Max. Size: Depth 10.7 m., vessels up to LOA 243.8 m. can be handled. *Fuel:* In emergency, by road tankers from Hobart. *Airport:* Hobart, 49 miles.
Springdale, Newfoundland, Canada: 49.30 N. 56.05 W. . . . 60
Max. Size: Depth to 28 ft. (LW).

Spurn Head, U.K.: 53.34 N. 0.08 W. **5, 6**

Squamish, Br. Columbia, Canada: 49.41 N. 123.10 W. **56**
Max. Size: LOA 700 ft., depth 38 ft. – 40 ft.
Airport: Vancouver, 50 miles. See also Vancouver.

SRI LANKA **37**

Sriracha, Thailand: 13.07 N. 100.52 E. **38**
Max. Size: Bulk berth: 150,000 d.w.t., draft 14.3 m. Tankers: Thai Oil (CBM): 120,000 d.w.t., LOA 900 ft., depth 48 ft.
Fuel: Can be supplied by barge. *Airport:* Bangkok.

Srivardhan, India: 18.02 N. 73.03 E. **37**

Stade, see Stadersand.

Stadersand, Germany: 53.37 N. 9.32 E. **8, 10**
Max. Size: LOA 230 m., beam 32 m., draft 11.50 m. (MHW). Size 60,000 d.w.t. *Fuel:* Obtainable by barge.

Stadhafen, see Lubeck.

Stamford, Conn., U.S.A.: 41.02 N. 73.33 W. **63**

Stamsund, Norway: 68.08 N. 13.52 E. **9, 15**

Stanley, Tasmania, Australia: 40.46 S. 145.18 E. **49**
Max. Size: Depth 9.0 m. *Fuel:* Available.

Stanley, see Port Stanley, Canada or Falkland Is.

Stanlow, see Ince.

Stann Creek, Belize: 16.58 N. 88.12 W. **69**

Stanvac, see Port Stanvac.

Stapleton, (Staten Is.), New York, U.S.A.: 40.38 N. 74.04 W. . . **63**
(incl: Gulfport: 40.38 N. 74.12 W.)
Max. Size: Gulfport (Tankers): Depth 32 ft.
See also New York.

Starbuck Is., Kiribati: 5.37 S. 155.55 W. **48**

Start Point, U.K.: 50.13 N. 3.38 W. **5**

Staten Is., Argentina: 54.50 S. 64.00 W. **72**

Staten Is., see New York.

Stavanger, Norway: 58.58 N. 5.44 E. **9, 10**
Max. Size: Depth 30 ft. Tankers: Depth 25 ft. – 45 ft., also see Sola. *Fuel:* Normal grades available.
Dry Docks: 545 ft. × 75 ft. × 24 ft. *Airport:* 10 km.

Stavros, Greece: 40.40 N. 23.42 E. **25**

Stebbins, Alaska, U.S.A.: 63.30 N. 162.16 W. **54**

Steenkool, Indonesia: 2.07 S. 133.34 E. **45**

Stege, Denmark: 54.59 N. 12.17 E. **10, 11**
Max. Size: LOA 80 m., draft 3.8 m.
Fuel: Available. *Airport:* Copenhagen, 110 km.

Steinkjer, Norway: 64.00 N. 11.30 E. **15**

Steno Straits, see Evripas Strait.

Stenungsund, Sweden: 58.04 N. 11.49 E. **10**
Max. Size: Power Station: Draft 10.6 m. – 12.6 m. Tankers: 36,000 d.w.t., LOA 210 m., draft 10.4 m.
Fuel: Gothenburg, etc. by barge. *Airport:* Gothenburg, 50 km.

Stephens, see Port Stephens.

Stephenville, Newfoundland, Canada: 48.30 N. 58.33 W. **60**
Max. Size: Recommended draft 27 ft. Largest vessel: LOA 640 ft.
Fuel: Marine diesel available. *Airport:* 5 miles.

Sterno, Sweden: 56.06 N. 14.58 E. **10**
Max. Size: Water depth 6 m. *Fuel:* Available.
Airport: Karlshamn.

Stettin, see Szczecin.

Steveston, British Columbia, Canada: 49.08 N. 123.11 W. . . . **56**

Stewart, British Columbia, Canada: 55.56 N. 130.00 W. **56**

Stewart, see Port Stewart.

Stewart Is., New Zealand **52**

Stigsnaesvaerkets, Denmark: 55.12 N. 11.15 E. **10**
Max. Size: Coal Berth: LOA 300 m., beam 43 m., draft 17 m. Tankers: Draft 15 m. *Fuel:* Not available.
Airport: Copenhagen, 120 km.

Stikkisholm, Iceland: 65.05 N. 22.43 E. **17**

Stilis, Greece: 38.55 N. 22.37 E. **25**

Stilleryd, Sweden: 56.10 N. 14.50 E. **10**
(incl. Kolo/Oxhaga: 56.09 N. 14.43 E.)
Max. Size: 35,000 d.w.t., depth 11 m. Ro-Ro: Depth 8 m.
Kolo: LOA 270 m., draft 41 ft., 75,000 d.w.t.
Oxhaga: 55,000 d.w.t., depth 13 m., max. draft 39 ft.
Fuel: Available. *Airport:* Karlshamn.

Stjernoy Is., Norway **9, 15**

Stjordalshalsen, Norway: 63.36 N. 10.58 E. **15**

Stocka, Sweden: 61.54 N. 17.22 E. **15**
Max. Size: Draft 4.9 m. MW, LOA 110 m. *Fuel:* See Hudiksvall.

Stockholm, Sweden: 59.19 N. 18.03 E. **9, 10**
(incl. Gustavsberg: 59.20 N. 18.23 E.
Saltsjobaden: 59.17 N. 18.18 E.).
Max. Size: LOA 185 m., beam 26 m. draft 10 m.
Tankers: Draft 12.4 m., 65,000 d.w.t. See also Sandhamn.
Fuel: All grades. *Dry Docks:* Capacity 250 tonnes – 28,500 tonnes. *Airport:* 22 miles.

Stockton, U.K.: 54.35 N. 1.20 W. **5, 6**
Max. Size: See Teesport.

Stockton, California, U.S.A.: 37.57 N. 121.19 W. **57**
Max. Size: Draft 35 ft. (LW) – 37 ft. (HW). *Fuel:* All grades.
Dry Docks: San Francisco.
Airport: Stockton Metropolitan, 6 miles.

Stockvik, see Essvik.

Stokes Bay, Ontario, Canada: 45.00 N. 81.20 W. **62**

Stokkseyri, see Eyrarbakki.

Stokmarknes, Norway; 68.34 N. 14.57 E. **15**

Stomion, Greece: 39.50 N. 22.45 E. **24, 25**

Stonehaven, U.K.: 56.58 N. 2.12 W. **5**

Stonington, Conn., U.S.A.: 41.20 N. 71.54 W. **63**

Stora Hoggarn, see Stockholm.

Storby, Finland: 60.13 N. 19.31 E. **9, 10**

Stordoy Is., Norway **10**

Stormskar, see Umea.

Stornoway, U.K.: 58.12 N. 6.22 W. **5**
Max. Size: 400 ft. × 60 ft. × 22 ft. draft to berth.
Tankers: Draft 15 ft., LOA 220 ft. *Fuel:* 24 hours notice required. *Dry Docks:* One slipway of 750 tons displacement.
Airport: 3 miles.

Storugns, (Gotland Island), Sweden: 57.50 N. 18.48 E. **10**
Max. Size: Draft 9.2 m. *Fuel:* Most grades from Visby.
Dry Docks: None. *Airport:* Visby.

Stott, Norway: 66.55 N. 13.27 E. **15**

Strahan, Tasmania, Australia: 42.10 S. 145.20 E. **49**
Max. Size: Depth 3.7 m. – 5.5 m. *Fuel:* Available only by road tanker. *Airport:* Strahan 3 miles, connects to Hobart.

Strait of Bonifacio **24**

Strait of Canso **60**

Strait of Georgia, British Columbia, Canada **56**

Strait of Gibraltar **20, 21, 22, 27**

Strait of Hormuz **31, 35**

Strait of Malacca **38**

Strait of Messina **24**

Strait of Otranto **24**

Straits of Bab el Mandeb **32**

Straits of Magellan **72**

Stralsund, Germany: 54.18 N. 13.06 E. **10, 11**
Max. Size: Vessels up to 17 ft. draft. *Fuel:* Gas oil and lube oil. *Airport:* Berlin.

Strand, Norway: 59.05 N. 5.57 E. **10**

Strandby, Denmark: 57.30 N. 10.31 E. **11**

Strangford, U.K.: 54.23 N. 5.34 W. **5**

Strangnas, Sweden: 59.22 N. 17.01 E. **10**

Stranraer, U.K.: 54.55 N. 5.02 W. **5**
Max. Size: Largest vessel handled: LOA 420 ft., working draft 15 ft. *Fuel:* Limited quantities of fuel oil.

Stratoni, Greece: 40.31 N. 23.50 E. **25, 26**

Straumsvik, Iceland: 64.03 N. 22.03 W. **17**
Max. Size: Berth: Length 220 m., depth 12 m.
Fuel: Available. *Airport:* Reykjavik, 10 km.

Streaky Bay, S.A., Australia: 32.48 S. 134.13 E. **49**

Strib, Denmark: 55.32 N. 9.46 E. **11**

Stromboli Is., Italy: 38.48 N. 15.13 E. **24**

Stromeferry, U.K.: 57.20 N. 5.35 W. **5**

Stromma, Finland: 60.11 N. 22.53 E. **10**

Stromnas, see Gustafvik.

Stromness, U.K.: 58.58 N. 3.18 W. **5**

Stromo, Faeroe Is., (Denmark) **5**

Stromstad, Sweden: 58.56 N. 11.10 E. **8, 10**
Max. Size: Cargo ships 3,000 d.w.t. *Fuel:* Not available.
Airport: Taxiplane connects to Gothenburg, 200 km.

Stronsay, U.K.: 59.10 N. 2.40 W. **5**

Strood, see Rochester, U.K.

Struer, Denmark: 56.30 N. 8.36 E. **10**

Stuart Is., Alaska, U.S.A.: 63.35 N. 162.25 W. **54**

Stubbekobing, Sweden: 54.53 N. 12.03 E. **11**

Studstrup, Denmark: 56.15 N. 10.21 E. **11**
Max. Size: LOA 245 m., draft 36 ft. Tankers: LOA 245 m., draft 33 ft. *Fuel:* Available by tank truck.

Stugsund, see Soderhamn.

Sturgean Bay Canal, Wisconsin, U.S.A. **62**

Sturgeon Bay, Wisconsin, U.S.A.: 44.50 N. 87.23 W. **62**

Sture, Norway: 60.37 N. 4.51 E. **10**
Max. Size: 300,000 d.w.t., draft 23 m. *Fuel:* Not available.
Airport: Bergen, 60 km.

Sturko Is., Sweden **10**

Stylis, Greece: 38.55 N. 22.37 E. **25**
Max. Size: Draft 18 ft. 6 in. *Fuel:* Barge or trucks.

Sual, Sarawak, Malaysia: 3.43 N. 113.34 E. **38**

Suakin, Sudan: 19.07 N. 37.19 E. **32**

Suances, Spain: 43.26 N. 4.02 W. **19**

Suao, Taiwan: 24.36 N. 121.52 E. **41**
Max. Size: Draft 14 m. and LOA less than 290 m.
Fuel: By tank trucks. *Airport:* 3.5 hours by car.

Suape, see Recife.

Suarez, see Puerto Suarez.

Suba Nipa, Mindanao, Philippines: 7.17 N. 122.51 E. **45, 46**

Subi, Indonesia: 2.55 N. 108.52 E. **38**

Subic Bay, see Olongapo.

Sucre, see Cumana.

Suda Bay, (Crete), Greece: 35.29 N. 24.09 E. **25, 26**
Max. Size: LOA 200 m., beam 10 m. Cargo Pier: Depth up to 32 ft. alongside, also grain silo with similar depth.
Dry Docks: None. *Fuel:* Limited. *Airport:* 15 km.

SUDAN 21, 32
Sudan, see Port Sudan.
Sudr, Egypt: 29.35 N. 32.42 E. 32
Suez, Egypt: 29.58 N. 32.33 E. 21, 26, 32, 33, 34
Max. Size: Draft 26 ft. 6 in. at Adabiya Quay. Tankers: LOA 750 ft., depth 38 ft. (LWOST). *Fuel:* Available ex-barge.
Suez Canal, Egypt 21, 26, 32, 33, 34
Max. Size: LOA – no restriction, beam and draft dependent on length, beam, speed and direction of transit. Average transit time 13 – 14 hours. *Fuel:* Available at Suez and Port Said. *Dry Docks:* 50,000 d.w.t. at Port Said. 8,000 d.w.t at Suez. *Airport:* Cairo (2.5 hours drive).
Sugluk, Quebec, Canada: 62.19 N. 75.33 W. 59
Sukadana, Indonesia: 1.13 S. 109.58 E. 38
Sukhumi, U.S.S.R.: 42.57 N. 41.00 E. 26
Max. Size: Draft 7.6 m., LOA 190 m.
Fuel: Supplied by lighters.
Sukkertoppen, see Maniitsoq.
Sukumo, Japan: 32.56 N. 132.44 E. 44
Sula Is., Indonesia 45
Sulawesi, see Celebes.
Sulima, Sierra Leone: 6.56 N. 11.31 W. 27
Sulina, Romania: 45.11 N. 29.45 E. 26
Max. Size: Draft at Sulina Bar is 23 ft. (7.01 m.). Any other changes of official draft are broadcast daily. LOA 180 m.
Fuel: Available. *Dry Docks:* Slipway 6,500 tons.
Airport: Nearest Tulcea, 70 km.
Sullom Voe, U.K.: 60.27 N. 1.17 W. 5
(incl. Mossbank: 60.28 N. 1.11 W.)
Max. Size: Cargo Pier: 100 m. long, depths from 3.9 m. to 9.9 m. Tankers: LOA 365 m., 350,000 d.w.t., draft 22.6 m. LPG: LOA 260 m., draft 15.9 m., 75,000 cu.m.
Fuel: Available at Cargo Pier. *Airport:* Nearby.
Sulphur, see Port Sulphur.
Sulu Archipelago, Philippines 45, 46
Sulu Sea 45, 46
Sumatra, Indonesia 38, 39
Sumba Is., Indonesia 38, 45
Sumbawa, Indonesia: 8.28 S 117.28 E. 38
Sumbawa Is., Indonesia 38, 45
Sumbe, see Novo Redondo.
Sumbo, Faeroe Is., (Denmark): 61.20 N. 6.30 W. 5
Sumburgh Head, U.K.: 59.51 N. 1.17 W. 5
Sumenep, Indonesia: 7.03 S. 113.53 E. 38
Suminoe, Japan: 33.12 N. 130.12 E. 44
Sumisu, Japan: 31.25 N. 140.02 E. 42, 45
Summerside, Prince Edward Is., Canada: 46.23 N. 63.47 W. . . 60
Max. Size: LOA 550 ft., beam 75 ft., draft 24 ft.
Fuel: Limited quantities by road.
Airport: Charlottetown, 39 miles.
Sumoto, Japan: 34.20 N. 134.55 E. 44
Sund, see Vivtarvarv.
Sunda Islands, Indonesia 38
Sunda Strait, Indonesia 36, 38
Sundahofn, see Reykjavik.
Sunderland, U.K.: 54.55 N. 1.21 W. 5, 6
Max. Size: South Dock: LOA 142 m., beam 18.9 m., draft 8.08 m. with Spring tides. River: LOA 183 m., draft 8.38 m., subject to siltage. Tankers: LOA 183 m., draft 8.58 m. at Corporation Quay. *Fuel:* All grades. *Dry Docks:* Length 112 m., breadth 16.5 m. *Airport:* Newcastle, 20 miles.
Sundsvall, Sweden: 62.25 N. 17.20 E. 9, 15
(incl. Kubikenborg: 62.23 N. 17.22 E. Ortviken: 62.24 N. 17.22 E. Tunadal: 62.25 N. 17.23 E. and Johannedal: 62.25 N. 17.24 E.)
Max. Size: Draft 5 m. – 10.5 m. Tankers: LOA 250 m., draft 11.3 m., 70,000 d.w.t. *Fuel:* All grades.
Dry Docks: Lunde Varv (Kramfors). *Airport:* 22 km.
Sungai Gerong, see Plaju.
Sungailiat, Indonesia: 1.51 S. 106.07 E. 38
Sungei Merah, see Sibu.
Sungei Pakning, Indonesia: 1.21 N. 102.09 E. 38, 39
Max. Size: 61,000 d.w.t., LOA 220 m., depth 15.3 m.
Fuel: Not available.
Sungei Sarawak, see Sejingkat.
Sunndalsora, Norway: 62.41 N. 8.36 E. 15
Max. Size: Draft 31 ft. 6 in. *Fuel:* Available in small quantities.
Dry Docks: None. *Airport:* Kristiansund and Molde, 60 miles.
Suo Sea, Inland Sea, Japan 44
Suomi, see Finland.
Supe, Peru: 10.48 S. 77.45 W. 72
Max. Size: Anchorage port. *Fuel:* Not available.
Superior, Wisconsin, U.S.A.: 46.44 N. 92.05 W. 62
Max. Size: See Duluth.
Sur, Oman: 22.35 N. 59.30 E. 31
Surat, India: 21.10 N. 72.55 E. 37
Surat Thani, Thailand: 9.07 N. 99.20 E. 38
Surgidero de Batabano, see Batabano.
Surigao, Mindanao, Philippines: 9.47 N. 125.30 E. 46
SURINAME 69, 72
Surte, Sweden: 57.50 N. 12.01 E. 11
Susak, see Rijeka.
Susaki, Japan: 33.23 N. 133.18 E. 44
Max. Size: Depth 14 m. *Fuel:* Not available.
Susoh, Indonesia: 3.44 N. 96.48 E. 39
Sutton, see Tampa.
Sutton Bridge, U.K.: 52.46 N. 0.12 E. 7
Max. Size: Draft 6.0 m. *Fuel:* Available. *Airport:* Norwich.
Suttsu, Japan: 42.47 N. 140.14 E. 42
Sutudden, see Karlshamn.
Suva, Fiji: 18.08 S. 178.26 E. 48
Max. Size: Largest vessel regularly entering is 42,000 tons. Depth alongside 11.6 m. (MLWS). Tankers: Depth 42 ft.
Fuel: Furnace fuel oil, diesel fuel oil and gas oil.
Airport: 15 miles.
Suvorov Is., Cook Is., (New Zealand): 13.10 S. 163.00 W. 48
Suwadi Point, Oman: 23.48 N. 57.48 W. 35
Suwannee, Florida, U.S.A.: 29.10 N. 83.10 W. 66
Suza, see Sousse.
Suzaki, see Susaki.
Suzuka, see Yokkaichi.
Svaneke, Denmark: 55.08 N. 15.09 E. 10
Svano, Sweden: 62.55 N. 17.52 E. 15
Svartik, Norway: 62.19 N. 17.23 E. 15
Svartvik, see Essvik.
Sveagruva, (Spitsbergen), Norway: 77.52 N. 16.48 E. 17
Svelgen, Norway: 61.45 N. 5.15 E. 15
Svelvik, Norway: 59.37 N. 10.25 E. 8, 10
Svendborg, Denmark: 55.03 N. 10.38 E. 10, 11
Max. Size: LOA 541 ft., beam 67 ft., draft 21 ft. 06 in.
Fuel: Diesel by truck. *Dry Dock:* Floating dock with capacity 10,000 tons.
Svolvaer, Norway: 68.14 N. 14.35 E. 9, 15
Max. Size: LOA 520 ft., draft 30 ft. *Fuel:* All kinds.
Dry Docks: Slipways for ships up to 240 ft. *Airport:* 4 km.
Swabue, see Shanwei.
Swains Is., American Samoa: 11.04 S. 171.05 W. 48
Swakopmund, Namibia: 22.40 S. 14.31 E. 29
Swan Is., (U.S.A.): 17.25 N. 83.56 W. 69
Swanage, U.K.: 50.37 N. 1.58 W. 7
Swansboro, North Carolina, U.S.A.: 34.41 N. 77.08 W. 63
Swansea, Tasmania, Australia: 42.09 S. 148.05 E. 49
Swansea, U.K.: 51.37 N. 3.56 W. 5, 6
Max. Size: LOA 655 ft., beam 86 ft., draft 32 ft. 6 in. (HW)
Fuel: Various grades of gas oil and diesel.
Dry Docks: 670 ft. × 92 ft. *Airport:* 8 miles.
Swatou, see Shantou.
SWEDEN 9, 10, 11, 15
Swettenham, see Port Kelang.
Swinemunde, see Swinoujscie.
Swinoujscie, Poland: 53.55 N. 14.15 E. 10
Max. Size: Draft 42 ft., LOA 235 m.
Fuel: All grades. See also Szczecin.
Sydero, Faeroe Is., (Denmark) 5
Sydney, N.S.W., Australia: 33.55 S. 151.12 E. 1, 48, 49
Max. Size: Depths to 12.0 m. at Glebe Island. Tankers: Depth 8.2 m. – 14 m. *Fuel:* All grades.
Dry Docks: Garden Island: Length 347.16 m.
Airport: Sydney, 9 km.
Sydney, Nova Scotia, Canada: 46.09 N. 60.12 W. 60
Max. Size: Draft 11.6 m. Tankers: Depth 23 ft. (LW).
Fuel: Marine diesel, bunker fuel and galley fuels are obtainable.
Dry Docks: Slipway 3,000 tons. *Airport:* Internal.
Sydney Is., Phoenix Is., Kiribati: 3.30 S. 171.32 W. 48
Sylt Is., Germany: 54.50 N. 8.20 E. 9, 10
Syracuse, Italy: 37.03 N. 15.17 E. 21, 24
SYRIA 21, 26
Syriam, Myanmar: 16.45 N. 96.20 E. 38
Syros Is., Greece: 37.26 N. 24.56 E. 21, 25, 26
Max. Size: LOA 200 m. *Fuel:* Can be supplied.
Dry Docks: Floating dock 75,000 d.w.t.
Szczecin, Poland: 53.25 N. 14.32 E. 9, 10
Max. Size: Draft 30 ft., LOA 206 m. *Fuel:* All grades.
Dry Docks: Lifting capacity of 8,200 tons.
Airport: 45 km., connects Warsaw.

NOTES, ADDITIONS, CORRECTIONS

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Tabaco, Luzon, Philippines: 13.41 N. 123.58 E. 45, 46
Max. Size: LOA 300 m., draft 28 ft. *Fuel:* All grades.
Airport: At Legazpi City.
Tabangao, see Batangas.
Tabar Is., Papua New Guinea: 2.50 S. 152.00 E 45
Tabarka, Tunisia: 36.57 N. 8.46 E. 24
Tabatinga, Brazil: 4.50 S. 69.50 W. 72
Table Bay, see Cape Town.
Taboga Is., Panama: 8.47 N. 79.33 W. 70
Taboguilla Is., Panama: 8.49 N. 79.31 W. 70
Tabou, Ivory Coast: 4.28 N. 7.19 W. 29
Tabuka, Japan: 33.38 N. 131.40 E. 44
Tachibana, see Anan, Japan.
Tacloban, Leyte, Philippines: 11.15 N. 125.00 E. 45, 46
Max. Size: Draft 6 m. (LW). *Fuel:* Available to small vessels.
Dry Docks: None. *Airport:* 9 km.
Tacoma, Washington, U.S.A.: 47.14 N. 122.28 W. 56
Max. Size: LOA over 305 m., depths to 21.34 m. (MLLW).
Fuel: Available. *Airport:* Seattle – Tacoma, 16 miles.
Taconite Harbour, Minnesota, U.S.A.: 47.31 N. 90.54 W. 62
Tadine, Mare Is., New Caledonia: 21.33 S. 167.54 E. 48
Max. Size: Depth 3 m. See also Noumea.
Tadjoura, Djibouti: 11.50 N. 42.53 E. 31, 32
Tadoussac, Quebec, Canada: 48.08 N. 69.43 W. 60
Max. Size: Draft 20 ft.
Taft, Louisiana, U.S.A.: 29.59 N. 90.25 W. 67
Tagaloan, Mindanao, Philippines: 08.32 N. 124.44 E. 46
Max. Size: Draft 10.0 m., 40,000 d.w.t.
Taganrog, U.S.S.R.: 47.12 N. 38.57 E. 26
Tagbilaran, Philippines: 9.39 N. 123.51 E. 46
Tagonoura, Japan: 35.06 N. 138.42 E. 42
Max. Size: LOA 600 ft., beam 100 ft., draft to 9 m.
Tankers: Draft 5.5 m. *Fuel:* All grades and lubricants
available from Chiba and Tokyo. *Dry Docks:* None.
Airport: Tokyo (Narita).
Tagula Is., Papua New Guinea: 11.37 N. 153.50 E. . . . 45, 48, 49
Tahaa, Society Is., French Polynesia: 16.36 S. 151.31 W. 48
Tahanea Is., French Polynesia: 16.50 S. 144.46 W. 48
Taharoa, New Zealand: 38.11 S. 174.42 E. 52
Max. Size: S.B.M.: Depth 30 m. *Fuel:* Not available.
Taheri, Iran: 27.40 N. 52.21 E. 35
Tahiti, French Polynesia 48, 68
Tahkoluoto, see Mantyluoto.
Tahsis, British Columbia, Canada: 49.55 N. 126.40 W. 56
Tahuata, see Hiva Oa.
Tahuna, Sangi Is., Indonesia: 3.37 N. 125.28 E. 45, 46
Tai Nan, Taiwan: 23.02 N. 120.4 E. 41
Tai Tung, Taiwan: 22.45 N. 121.05 E. 41
Taichung, Taiwan: 24.18 N. 120.29 E. 41, 45
Max. Size: Draft 13 m., LOA no limit.
Fuel: Available. *Airport:* 200 km.
Taiohae, Nuka Hiva, Marquesas Is., French Polynesia:
8.56 S. 140.04 W. 48
Taipalsaari, Finland, see Lappeenranta.
Taiping, Malaya, Malaysia: 4.50 N. 100.45 E. 38
TAIWAN 41, 45
Takamatsu, Japan: 34.20 N. 134.03 E. 44
Takaroa, Society Islands, French Polynesia: 14.26 S. 145.00 E. 48
Takehara, Japan: 34.20 N. 132.55 E. 44
Takoradi, Ghana: 4.53 N. 1.45 W. 29
(Incl. Sekondi)
Max. Size: Draft 28 ft. alongside, 33 ft. at buoys.
Tankers: LOA 600 ft., draft 29 ft. *Fuel:* Fuel and Gas Oil.
Dry Docks: For vessels 100 ft. long, 25 ft. wide and 8.5 ft. draft.
Airport: 2 miles.
Taku Bar, China: 38.56 N. 117.53 E. 41
Max. Size: Draft 34 ft. *Fuel:* Brought from Dairen.
Takua Pa, Thailand: 9.17 N. 98.20 E. 38
Takuma, Japan: 34.14 N. 133.41 E. 44
Max. Size: Draft 9 m. Also see Sakaide.
Talamone, Italy: 42.33 N. 11.08 E. 24
Taland Is., Indonesia 45, 46
Talara, Peru: 4.35 S. 81.17 W. 72
Max. Size: Depth 18 ft. to 34 ft. Tankers: Depth 34 ft. at berth,
36 ft. max. draft at pipe-line. *Fuel:* Available alongside berths.
Talasea, Papua New Guinea: 5.20 S. 150.02 E. 45
Talaud Is., Indonesia: 4.30 N. 127.10 E. 45
Talbot, see Port Talbot.
Talcahuano, Chile: 36.41 S. 73.06 W. 72
(Incl. Penco: 36.44 S. 73.00 N.)
Max. Size: Draft 29 ft. and LOA 180 m. Vessels with LOA
230 m. and draft 27 ft. can dock at Mole 500 (Naval Base).
Fuel: Small quantities only. *Dry Docks:* 250 m. long by
40 m. wide. *Airport:* 7 km.
Taliabu Is., Indonesia 45
Talien, see Dalian.
Talisman Marine Terminal, W.A., Australia: 19.30 S. 116.56 E. 49
Max. Size: 100,000 d.w.t. *Fuel:* Available at Dampier.
Taliwang, Indonesia: 8.48 S. 116.48 E. 38
Tallbacken, see Norrkoping.
Tallinn, U.S.S.R.: 59.27 N. 24.46 E. 9, 10
Max. Size: LOA 155 m., beam 22 m., draft 8.5 m.
Fuel: Available.
Taltal, Chile: 25.24 S. 70.29 W. 72
Max. Size: Anchorage port: No limit. Tankers: Depth 47 ft.
Fuel: Not available.
Talvik, Norway: 70.05 N. 23.00 E. 15
Taman, U.S.S.R.: 45.13 N. 36.42 E. 26
Tamana Is., Kiribati: 2.31 S. 175.52 E. 48
Tamano, see Uno.
Tamara, see Conakry.
Tamaram Is., see Pulap Is.
Tamatave, see Toamasina.
Tambelan Is., Indonesia: 38
Tambey, U.S.S.R.: 71.30 N. 71.50 E. 16
Tambo de Mora, Peru: 13.28 S. 76.10 W. 72
Tambora, Indonesia: 8.12 S. 118.05 E. 38
Tammisaari, see Ekenas.
Tampa, Florida, U.S.A.: 27.57 N. 82.28 W. 55, 66, 69
Max. Size: Draft 33 ft. 6 in. (MLW). Airdraft 149 ft. (MHW).
Fuel: All grades. *Dry Docks:* Graving dock, 900 ft. long × 150 ft. wide, 21 ft. from MLW to top of keel blocks.
Airport: 15 miles.
Tampa Bay, Florida, U.S.A. 66, 69
Tampico, Mexico: 22.16 N. 97.47 E. 69
Max. Size: LOA 656 ft., draft 9.14 m. (FW).
Fuel: Available. *Dry Docks:* 55,000 d.w.t.
Airport: 10 km.
Tan Shui, Taiwan: 25.05 N. 121.20 E. 41
Tan Tan, Morocco: 28.29 N. 11.01 W. 20
Max. Size: Depth 6 m.
Tana, Norway: 70.28 N. 28.14 E. 15
Tana Is., Vanuatu: 19.30 S. 169.20 E. 48
Tanabe, Japan: 33.44 N. 135.21 E. 44
Max. Size: Draft 9.5 m. (31 ft.) HW.
Fuel: Bonded oil will be brought from Shimotsu or Kobe.
Airport: Nanki Shirahama, 25 km.
Tanaga Is., (Aleutian Islands), Alaska, U.S.A.:
51.45 N. 178.05 W. 54
Tanah Puteh, see Kuching.
Tanahgrogot, Indonesia: 1.53 S. 116.14 E. 38
Tanamo, Cuba: 20.44 N. 75.20 W. 69
Max. Size: If berthing, draft 22 ft., LOA 450 ft. If anchoring,
draft 28 ft. Tankers: LOA 535 ft. *Fuel:* Not available.
Tanauan, Leyte, Philippines: 11.06 N. 125.01 E. 45, 46
Max. Size: LOA 1,000 ft., beam 90 ft., draft 31 ft.
Fuel: Not available. *Airport:* Tacloban.
Tancarville, France: 49.29 N. 0.28 E. 7, 8
Tandag, Mindanao, Philippines: 9.05 N. 126.11 E. 46
Tandjung Blitung, Indonesia: 3.45 N. 108.03 E. 38
Tandjung Perak, see Sourabaja.
Tandjung Uban, Indonesia: 1.03 N. 104.13 E. 38, 45
Max. Size: LOA 240 m., depth 17.4 m.
Fuel: Medium fuel oil and heavy fuel oil.
Airport: Kijang or Hang Nadim (Batam Island).
Tandoc, Luzon, Philippines: 14.04 N. 123.18 E. 46
Tandu Batu, Jolo, Philippines: 6.01 N. 121.19 E. 46
Tanega Is., Japan 41, 45
Tanga, Tanzania: 5.04 S. 39.08 E. 30
Max. Size: Mainly anchorage port; berth for bulk vessels
up to 20,000 d.w.t. *Fuel:* Not available.
Tanga Is., Papua New Guinea: 3.30 S. 153.15 E. 45
Tangier, Morocco: 35.47 N. 5.48 W. 21, 27
Max. Size: Depth 14 ft. – 28.5 ft. *Fuel:* Only very small
quantities. *Airport:* 12 km.
Tangimoana, New Zealand: 40.30 S. 175.10 W. 52
Tangku, see Tianjin.
Tanimbar Is., Arafura Sea, Indonesia 45
Tanjong Manis, Sarawak, Malaysia: 2.09 N. 111.21 E. . . . 38, 45
Max. Size: LOA 183 m., draft 8.4 m.
Tanjong Pagar, see Singapore.
Tanjong Pandam, see Sibu.
Tanjong Penjuru, see Singapore.
Tanjong Po, see Kuching.
Tanjong Ramunia, Malaysia: 1.20 N. 104.16 E 38
Tanjong Salirong, Brunei: 4.53 N. 115.06 E. 38
Max. Size: 21 ft. draft to cross Bar at HW.
Tanjung Balai, Indonesia: 2.57 N. 99.48 E. 38, 39
Tanjung Berhala, Malaysia: 4.16 N. 103.28 E. 38, 39
Tanjung Gelang, see Kuantan.
Tanjung Lepee, Indonesia: 4.14 S. 121.32 E. 45
Max. Size: Draft 11 m. See also Pomalaa.

Tanjung Pandan, Indonesia: 2.45 S. 107.38 E. 38
Max. Size: Anchorage: Depth 11 m. – 12 m.
Fuel: Not available.
Tanjung Pinang, Indonesia: 0.56 N. 104.27 E. 38
Tanjung Priok, see Jakarta.
Tanjung Selor, Indonesia: 2.52 N. 117.23 E. 38
Tanjungredep, Indonesia: 2.10 N. 117.29 E. 38
Tanoura, see Moji.
Tanshui, Taiwan: 25.10 N. 121.24 E. 41
Tantung, see Dandong.
Tanysk, U.S.S.R.: 59.30 N. 149.30 E. 42
TANZANIA 30
Taongi Is., Marshall Is., (U.S.A.): 14.38 N. 168.58 E. 48
Taormina, (Sicily), Italy: 37.51 N. 15.17 E. 24
Tapaktuan, Indonesia: 3.15 N. 97.11 E. 38, 39
Tapia, Spain: 43.36 N. 6.56 W. 19
Tappahannock, Virginia, U.S.A.: 37.56 N. 76.51 W. 63, 65
Tarabulus, see Tripoli.
Tarafa, see Nuevitas.
Tarahan Terminal, see Panjang.
Taraika Bay, Sakhalin Is., U.S.S.R.: 42
Tarakan, Indonesia: 3.17 N. 117.35 E. 38, 45
Max. Size: Jetty: Depth 5.5 m. Tankers: CBM: 55,000 d.w.t., LOA 200 m., depth 15 m. Jetty: 6,000 d.w.t., LOA 120 m., depth 10.5 m. *Fuel:* Not available.
Taranaki, see New Plymouth.
Taranto, Italy: 40.29 N. 17.13 E. 21, 24
Max. Size: Draft 50 ft. Tankers: Draft 72 ft. *Fuel:* Available.
Dry Docks: Up to 40,000 tons capacity.
Airport: 20 minutes by car.
Tarawa, Kiribati: 1.25 N. 172.54 E. 48
Max. Size: Any vessel drawing up to 26 ft. may enter at LWOST and 30 ft. HW. Vessels over 600 ft. to navigate with extreme care. Tankers: Up to 14 ft. draft. *Fuel:* Diesel only, in restricted quantities. *Dry Dock:* 150 tons displacement.
Airport: 13 miles, connects with Fiji, Nauru and Honolulu.
Tarbert, Kintyre, U.K.: 55.55 N. 5.25 W. 5
Tarbert, Lewis, U.K.: 57.54 N. 6.49 W. 5
Tarbert Is. Terminal, Eire: 52.35 N. 9.21 W. 5
Max. Size: Depth 48 ft. LW. *Fuel:* Not available.
Airport: Shannon.
Tarboek, Denmark: 55.47 N. 12.36 E. 11
Tarfaya, Morocco: 27.56 N. 12.55 W. 27
Tarif, U.A.E.: 24.05 N. 53.49 E. 35
Tarifa, Spain: 36.00 N. 5.36 W. 20
Tarno, see Sterno.
Taroa, Marshall Is., (U.S.A.): 8.45 N. 171.15 E. 48
Tarpon Springs, Florida, U.S.A.: 28.09 N. 82.45 W. 66
Tarragona, Spain: 41.05 N. 1.14 E. 21, 22
Max. Size: LOA 280 m., draft 44 ft.
Tankers: Jetty: 100,000 d.w.t., draft 14.47 m.
SBM: 250,000 d.w.t. *Fuel:* Fuel oil and gas oil.
Dry Docks: None. *Airport:* 12 km., connects Madrid.
Tartary Straits, U.S.S.R. 42
Tartous, Syria: 34.53 N. 35.45 E. 26
Max. Size: Draft 32 ft., dependent on swell.
Tankers: LOA 280 m., draft 52 ft., 100,000 d.w.t.
Fuel: Very limited quantities.
Tasinge Is., see Troense.
Tasiussaq, Greenland, (Denmark): 73.21 N. 56.00 W. 17
Tasman Bay, New Zealand 52
Tasman Sea 49, 52
Tasmania, (Tas.), Australia 49
Tasu, Br. Columbia, Canada: 52.46 N. 131.58 W. 56
Tasucu, Turkey: 36.20 N. 33.55 E. 26
Tateyama, Japan: 34.59 N. 139.52 E. 42
Tau, see Strand.
Taufiq, see Port Taufiq.
Tauranga, New Zealand: 37.39 S. 176.11 E. 52
Max. Size: LOA 225 m., draft 10.7 m. at HW, 9.20 m. at LW.
Fuel: Most grades *Airport:* 1.6 km.
Tavani, N.W. Territories, Canada: 62.08 N. 93.31 W. 59
Taveuni, see Vanua Levu.
Tavira, Spain: 37.07 N. 7.40 W. 20
Tavoy, Myanmar: 14.03 N. 98.13 E. 38
Tawas City, Michigan, U.S.A.: 44.15 N. 83.30 W. 62
Tawau, Sabah, Malaysia: 4.14 N. 117.52 E. 38, 46
Max. Size: Depth 9.0 m. Tankers: Depth 32 ft.
Fuel: Diesoline in drums. *Airport:* Nearby.
Tawi Tawi Is., Philippines 46
Tayport, U.K.: 56.27 N. 2.53 W. 5
Taytay, Palawan, Philippines: 10.48 N. 119.30 E. 46
Tazerka, Tunisia: 36.36 N. 11.41 E. 24
Max. Size: LOA 297 m. (minimum 170 m.), 140,000 d.w.t.
Tazovskoye, U.S.S.R.: 67.40 N. 77.40 E. 16
Tebar, see Sao Sebastiao.
Tecarmo, see Carmopolis.
Tedut, see Tramandai.
Teesport, U.K.: 54.39 N. 1.08 W. 5, 6
Max. Size: LOA 305 m. (1,000 ft.), beam 46 m. (150 ft.), draft 17 m. (55 ft.) *Fuel:* All grades.
Dry Docks: Max. 26,000 tons capacity. *Airport:* Teesside, 12 miles.
Tefran (S.B.M.) Terminal, see Sao Francisco do Sul.
Tegal, Indonesia: 6.52 S. 109.10 E. 38
Max. Size: Anchorage port. Draft above 25 ft. will be 2-3 miles offshore. *Fuel:* Not available.
Teignmouth, U.K.: 50.33 N. 3.30 W. 7
Tekirdag, Turkey: 40.58 N. 27.31 E. 25, 26
Max. Size: Draft 9.0 m. *Fuel:* Available.
Tel Aviv, Israel: 32.05 N. 34.45 E. 26
Tela, Honduras: 15.47 N. 87.30 W. 69
Max. Size: LOA 485 ft., draft 30 ft. *Fuel:* Available.
Airport: 80 km.
Telegrafberget, see Stockholm.
Teller, Alaska, U.S.A.: 65.15 N. 166.24 W. 54
Tellicherry, India: 11.45 N. 75.30 E. 37
Telo, Indonesia: 0.03 S. 98.17 E. 38
Telok Anson, Malaya, Malaysia: 4.02 N. 101.00 E. 38
Telok Ayer, Indonesia: 0.44 S. 109.05 E. 38
Max. Size: Depth 6 fathoms at loading point.
Telok Ewa, Malaya, Malaysia: 6.26 N. 99.46 E. 39
Max. Size: Draft 9 m.
Airport: Daily flights to Penang and Kuala Lumpur.
Teluk Bayur, Indonesia: 0.58 S. 100.20 E. 38
Max. Size: Depth up to 10 m. *Fuel:* Available.
Dry Dock: Up to 500 d.w.t. *Airport:* Tabing, 15 km.
Teluk Semangka, Indonesia: 5.35 S. 104.37 E. 38
Max. Size: Alongside storage tanker: 235,000 d.w.t., LOA 325 m., depth 59 m.
Telukbetung, Indonesia: 5.27 S. 105.16 E. 38
Telukdalem, Indonesia: 0.33 N. 97.50 E. 38
Tema, Ghana: 5.38 N. 0.01 E. 29
Max. Size: Ships up to 650 ft. LOA and draft 32 ft.
Fuel: Fuel and diesel oil available.
Dry Docks: Capacity 100,000 d.w.t. *Airport:* 18 miles.
Temadre, see Salvador, Brazil.
Tembelan Is., see Lepu.
Tembladora, Trinidad: 10.41 N. 61 35 W. 71
Max. Size: Draft 23 ft. – 36 ft. *Fuel:* Available.
Temryuk, U.S.S.R.: 45.19 N. 37.21 E. 26
Temse, see Hemixem.
Tenakee Springs, Alaska, U.S.A.: 57.47 N. 135.12 W. 56
Tenasserim, Myanmar: 12.05 N. 99.05 E. 38
Ten Degree Channel, India 38
Tenby, U.K.: 51.41 N. 4.41 W. 5
Tenerife, Canary Is., (Spain) 27
Tenes, Algeria: 36.31 N. 1.19 E. 22
Tepa, Babar Is., Indonesia: 7.52 S. 129.36 E. 45
Tepre, see Esmeraldas.
Terampa, Indonesia: 3.13 N. 106.13 E. 38
Terceira Is., Azores, (Portugal) 20
Teriberka, see Gavrilovo.
Termini Imerese, Italy: 38.00 N 13.42 E. 24
Termoli, Italy: 42.00 N. 15.00 E. 24
Ternate, Indonesia: 0.46 N. 127.22 E. 45
Max. Size: Draft 9.5 m. *Fuel:* By tank truck. *Airport:* 5 miles.
Terneuzen, Netherlands: 51.20 N. 3.50 E. 7, 8
Max. Size: Draft 40 ft. 6 in. can reach Terneuzen in most circumstances. To pass through West Lock and Canal: LOA 256 m., beam 34 m., draft in fresh water (canal) 12.25 m.
Fuel: Fuel oil and lubricating oil.
Terno, see Sterno.
Terracino, Italy: 41.13 N. 13.16 E. 24
Terrebone Bay, Louisiana, U.S.A. 67
Terrenceville, Newfoundland, Canada: 47.43 N. 54.46 W. 60
Terrington Basin, see Goose Bay.
Terschelling Is., Netherlands: 53.22 N. 5.13 E. 10
Tetney Marine Terminal, U.K.: 53.32 N. 0.07 E. 5, 6
Max. Size: Mono-buoy in 60 ft. of water at LW.
Tidal range 7 ft. – 22.5 ft.
Tetyukhe, U.S.S.R.: 44.22 N. 135.51 E. 42
Texas, U.S.A. 66, 69
Texas City, Texas, U.S.A.: 29.22 N. 94.53 W. 66
Max. Size: Depths up to 40 ft. *Fuel:* Bunker "C", other grades by barge from Houston. *Airport:* Houston.
Texel Is., Netherlands: 53.11 N. 4.51 E. 10
THAILAND 38
Thames, New Zealand: 37.08 S. 175.33 E. 52
Thames Estuary, U.K. 5, 7
Thamshavn, Norway: 63.20 N. 9.52 E. 15
Max. Size: Draft 28 ft. at Pyrites Quay, otherwise depth 24 ft.
Fuel: Not available. *Dry Docks:* None.
Airport: Vaernes, 62 miles.
Thasos, Greece: 40.48 N. 24.42 E. 25, 26
The Bight, Cat Is., Bahamas: 24.19 N. 75.24 W. 69
The Dalles, Oregon, U.S.A.: 45.37 N. 121.11 W. 57
The Downs 7

The Gulf 35
The Hague, Netherlands: 52.05 N. 4.14 E. 7, 8
The Minch, U.K. 5
The Narrows, New York, U.S.A. 63
The Naze, U.K. 5, 7
The Skaw 10, 11
The Sound 10, 11
The Wash, U.K. 5, 7
Theodosia, U.S.S.R.: 45.01 N. 35.24 E. 26
Thessalon, Ontario, Canada: 46.15 N. 83.34 W. 62
Thessaloniki, Greece: 40.37 N. 22.57 E. 21, 24, 25
Max. Size: Depth 5.5 m – 12 m. Tankers: Draft 32 ft. – 44 ft.
Fuel: Unlimited quantities available. *Airport:* 12 km.
Thevenard, S.A., Australia: 32.09 S. 133.39 E. 49
Max. Size: LOA 180 m., beam 28 m., depth 32 ft.
Fuel: Available. *Dry Docks:* None.
Airport: Connects with Adelaide.
Thingeyri, Iceland: 65.53 N. 23.28 W. 17
Thio, New Caledonia, (France): 21.37 S. 166.15 E. 48
Max. Size: LOA 170 m., draft 10.8 m. See also Noumea.
Thira, Thira Is., Greece: 36.23 N. 25.27 E. 25
Thisted, Denmark: 57.00 N. 8.42 E. 10
Thorold, Ontario, Canada: 43.05 N. 79.10 W. 60
Max. Size: Max. draft in Welland Canal 7.92 m. (29 ft.).
Dry Docks: None.
Thorshofn, Iceland: 66.12 N. 15.19 W. 17
Thousand Islands Section, St. Lawrence Seaway 61
Three Kings Is., New Zealand: 34.09 S. 172.08 E. 52
Three Rivers, see Trois Rivieres.
Thule, see North Star Bugt.
Thunder Bay, Ontario, Canada: 48.27 N. 89.13 W. 62
Max. Size: Draft 26 ft. *Fuel:* Light diesel available.
Bunker C only in emergencies.
Dry Docks: Length 227.69 m. × 29.87 m. (98 ft.)
Airport: Served by regular airlines.
Thursday Island, Queensland, Australia: 10.35 S. 142.13 E. 45, 49
Max. Size: Depths up to 5.48 m. alongside.
Fuel: Small amounts of bulk distillate available.
Airport: 2 miles by launch.
Thurso, Quebec, Canada: 45.35 N. 75.15 W. 61
Thurso, U.K.: 58.36 N. 3.31 W. 5
Max. Size: See Scrabster.
Thyboron, Denmark: 56.42 N. 8.13 E. 10
Tia Juana, Venezuela: 10.15 N. 71.22 W. 73
Tianjin, China: 39.06 N. 117.10 E. 41
Max. Size: Channel depth 10 m., max. draft 8.2 m. – 10.4 m., depending on cargo and season. *Fuel:* Available.
Airport: Tianjin, 54 miles.
Tiburon Is., Mexico: 29.00 N. 112.25 W. 57
Ticho, Ethiopia: 14.41 N. 40.55 E. 32
Tiden, (Nicobar Is.), India: 7.05 N. 93.45 E. 38
Tiel, Netherlands: 51.53 N. 5.26 E. 7
Tientsin, see Tianjin.
Tierra Colerada, see Paita.
Tierra del Fuego, Chile/Argentina 72
Tifu, Indonesia; 3.43 S. 126.24 E. 45
Tignish, Prince Edward I, Canada: 46.57 N. 64.01 W. 60
Tijuana, Mexico: 32.28 N. 117.12 W. 57
Tiko, Cameroon: 4.02 N. 9.23 W. 28
Tilburg, Netherlands: 51.30 N. 5.05 E. 7
Tilbury, U.K.: 51.27 N. 13.22 E. 5, 6, 7
Max. Size: Grain: Depth 42 ft. (MLWS). General cargo: Depth 38 ft. Northfleet Hope: Depth 35 ft. – 41 ft. (MLWS)
Fuel: All grades. *Dry Docks:* Largest: 752 ft. length, 133 ft. breadth. *Airport:* London.
Tilichiki, U.S.S.R.: 61.05 N. 166.05 E. 54
Tilos Is., Greece: 36.27 N. 27.27 E. 25
Tilt Cove, Newfoundland, Canada: 49.53 N. 55.37 W. 60
Timaru, New Zealand: 44.24 S. 171.19 E. 52
Max. Size: LOA 200 m., 227 m. if fitted with bow and stern thrusters. Draft 10 m. (HWOST). *Fuel:* Heavy and medium fuel oil. *Airport:* 8 km., connects with Wellington and Christchurch.
Timbalie Bay 67
Timbalie Is., Louisiana, U.S.A. 67
Timor Is., Indonesia 45
Timor Sea 45
Tin Can Island, Nigeria: 6.26 N. 3.23 E. 28
Max. Size: Draft 9.5 m. *Fuel:* Available.
Dry Docks: 4,000 tons. Draft 18 ft. *Airport:* Lagos.
Ting Hai, China: 30.01 N. 122.06 E. 41
Tingmiarmiut, see Kutdlek.
Tinian, Northern Mariana Is.: 15.00 N. 145.40 E. 45
Tinos, Tinos Is., Greece: 37.33 N. 25.09 E. 25, 26
Tioga Terminal, see Philadelphia.
Tiree Is., U.K. 5
Tiruchendir, India: 8.30 N. 78.09 E. 37
Tivat, Yugoslavia: 42.26 N. 18.42 E. 24
Tiverton, Rhode Is., U.S.A.: 41.38 N. 71.13 W. 63
Tjilatjap, see Cilacap.
Tjirebon, see Cirebon.
Tjorn Is, Sweden 9, 10
Tjotta, Norway: 65.49 N. 12.26 E. 15
Tjurko, see Sturko.
Toamasina, Madagascar: 18.08 S. 49.22 E. 30
Max. Size: Cargo vessels: LOA 180 m., draft 31 ft. 2 in. (9.5 m.). Tankers: LOA 230 m., beam 31 m., draft 12.20 m.
Fuel: Available. *Airport:* Served by regular airlines.
Toau, Tuamotu Archipelago, French Polynesia: 15.55 S. 146.05 E. 48
Toba, Japan: 34.29 N. 136.51 E. 42
Tobago, see Trinidad and Tobago.
Tobata, Japan: 33.55 N. 130.51 E. 43, 44
Max. Size: 160,000 d.w.t. or 250,000 d.w.t. part load, LOA 327 m., draft 16 m. Tankers: Up to 125,000 d.w.t., LOA 286 m., draft 12 m.
Fuel: Bonded oil will be brought from Moji, Ube or Ohita.
Dry Docks: None. *Airport:* See Yawata.
Tobelo, Indonesia: 1.45 N. 127.59 E. 45
Tobermory, Ontario, Canada: 45.14 N. 81.40 W. 62
Tobermory, U.K.: 56.38 N. 6.05 W. 5
Tobi, Caroline Is., Micronesia: 3.02 N. 131.10 E. 45
Toboali, Indonesia: 3.01 S. 106.27 E. 38
Toboli, Indonesia: 0.38 S. 120.05 E. 45
Tobruk, Libya: 32.04 N. 24.00 E. 24, 26
Max. Size: Draft 29 ft., LOA 400 ft.
Tankers: See Marsa al Hariga. *Fuel:* Not available.
Tocopilla, Chile: 22.05 S. 70.11 W. 72
Max. Size: Buoys: Depth 15 m. – 30 m.
Wharf: Depth 11.58 m. Tankers: Draft 45 ft.
Fuel: Not available. *Airport:* Antofagasta, 200 km.
Todd, Alaska, U.S.A.: 57.28 N. 135.03 W. 56
Tofte, Norway: 59.33 N. 10.34 E. 10
Toft Voe, see Burravoe.
Togiak, Alaska, U.S.A.: 59.04 N. 160.31 W. 54
TOGO 28, 29
Tokachi, Japan: 42.15 N. 143.18 E. 42
Tokara Is., Ryuku Is., Japan: 29.50 N. 129.55 E. 41, 45
TOKELAU ISLANDS, (NEW ZEALAND) 48
Tokomaru, New Zealand: 38.08 S. 178.20 E. 52
Tokushima, Japan: 34.04 N. 134.33 E. 44
Tokuyama, Japan: 34.02 N. 131.48 E. 44
Max. Size: Depth 6 m. – 12 m. Tankers: Largest vessel at sea berth: 275,000 d.w.t., draft 19.5 m. *Fuel:* All grades.
Dry Docks: 90,000 tonnes.
Airport: Hiroshima or Ube about 40 minutes.
Tokyo, Japan: 35.41 N. 139.46 E. 42, 43
Max. Size: General/Bulk: Draft: 12 m. Tankers: 23,000 d.w.t., draft 11 m. *Fuel:* All grades.
Dry Docks: Largest: Length 180 m.; width 24 m.; depth 7.27 m.
Airport: Tokyo (Narita), 60 km.
Tol Is., Caroline Is., Micronesia: 7.21 N. 150.37 E. 45
Tolagnaro, see Fort Dauphin.
Toledo, Ohio, U.S.A.: 41.42 N. 83.28 W. 55, 62
Max. Size: LOA 730 ft., draft 26 ft. Height restriction of 104 ft. for grain berths only. Tankers: Depth 22 ft. – 23 ft.
Fuel: All grades. *Dry Docks:* 641 ft. × 78 ft.
Toledo, Oregon, U.S.A.: 44.37 N. 123.57 W. 57
Tolkis, see Tolkkinen.
Tolkkinen, Finland: 60.20 N. 25.35 E. 10, 13
Max. Size: Depth 23 ft. (7 m.). *Fuel:* Small quantities only.
Tolle, see Porto Tolle.
Tolu, Colombia: 9.30 N. 75.40 W. 69
Tomakomai, Japan: 42.35 N. 141.35 E. 42
Max. Size: Up to 65,000 d.w.t., depth 14 m.
Tankers: Up to 250,000 d.w.t., depth 24 m.
Fuel: Bonded oil will be brought from Hakodate.
Tomari, U.S.S.R.: 47.46 N. 142.03 E. 42
Tome, Chile: 36.37 S. 72.57 W. 72
Tomie, Japan: 32.37 N. 129.44 E. 44
Tomil Harbour, Yap Is., Micronesia: 9.31 N. 138.10 E. 45
Max. Size: 6,000 g.r.t., depth 78 ft. *Fuel:* Available.
Dry Docks: None. *Airport:* 2.5 miles.
Tomini Gulf, (Celebes), Indonesia 45
Tommy's Arm, Newfoundland, Canada: 49.27 N. 55.46 W. 60
Tomo, Japan: 34.23 N. 133.23 E. 44
Tomoni, Indonesia: 0.30 N. 120.28 E. 45
Tomoura, Japan: 33.36 N. 134.20 E. 44
Tompkinsville, see Stapleton, New York.
Tonawanda, New York, U.S.A.: 43.02 N. 78.53 W. 62
Tonda, Japan: 34.02 N. 131.44 E. 44
Max. Size: Depth 12 m. See also Tokuyama.
Tondi, India: 9.45 N. 79.02 E. 37
TONGA 48
Tongareva Is., Cook Is., (New Zealand): 9.05 S. 157.57 W. 48
Tongling, China: 30.57 N. 117.45 E. 41

Tonnay Charente, France: 45.57 N. 0.53 W. **8, 19**
Max. Size: LOA 120 m., draft 5.7 m. – 6.6 m.
Fuel: Obtained by truck from La Pallice (20 miles).
Airport: La Rochelle, 30 miles.
Tonning, Germany: 54.19 N. 8.57 E. **10**
Tonosho Is., Harima Sea, Japan **44**
Tonosi, Panama: 7.30 N. 80.15 W. **69**
Tonsberg, Norway: 59.16 N. 10.25 E. **8, 9, 10**
Max. Size: (24 ft. draft for West entrance). Up to 30,000 tons in ballast. *Fuel:* Delivered by lorry. *Dry Docks:* Up to 50,000 d.w.t. *Airport:* Oslo, 100 km.
Topolly, see Varna.
Topolobampo, Mexico: 25.36 N. 109.03 W. **57**
Max. Size: Draft 31 ft. (SW). *Airport:* Los Mochis, 12 km.
Toppila, see Oulu.
Topsham, see Exeter.
Tor Harbour, see El Tur.
Tore, Sweden: 65.54 N. 22.39 E. **15**
(Incl. Torefors: 65.53 N. 22.41 E)
Max. Size: Draft 6 m.
Torefors, see Tore.
Torehamn, Sweden: 56.06 N. 15.50 E. **10**
Torekov, Sweden: 56.24 N. 12.37 E. **11**
Torgua, see Rio de Janeiro.
Tori, (Japan): 30.27 N. 140.19 E. **45**
Tornio, Finland: 65.51 N. 24.09 E. **9, 15**
Max. Size: Draft 21 ft. 6 in. *Fuel:* Ordinary fuel by lorries.
Airport: Kemi, 20 km.
Toronto, Ontario, Canada: 43.40 N. 79.25 W. **60, 62**
Max. Size: Size of vessels permitted to transit the Seaway: Not exceeding 730 ft. LOA and 75 ft. 6 in. extreme breadth, masts must not exceed 117 ft. above the water level. Draft 26 ft. *Fuel:* Available, but in most cases vessels bunker in Montreal. *Airport:* Toronto, 15 miles.
Torquay, U.K.: 50.27 N. 3.31 W. **5**
Torre Annunziata, Italy: 40.45 N. 14.27 E. **41**
Max. Size: LOA 472 ft., draft 30 ft. *Fuel:* Available.
Airport: Naples, 23 km.
Torre del Greco, see Torre Annunziata.
Torremolinas, Spain: 36.37 N. 4.30 W. **22**
Torres, see Porto Torres.
Torres Is., Vanuatu: 13.18 S. 166.38 E. **48**
Torres Strait, Australia/Papua New Guinea **45, 49**
Max. Size: Draft 12.2 m. (40 ft.).
Torrevieja, Spain: 37.58 N. 00.40 W. **22**
Max. Size: LOA 150 m. Draft on entry 21 ft., and departure draft 29 ft. 6 in.
Torridon, U.K.: 57.31 N. 5.26 W. **10**
Tors Harbour, see Gothenburg.
Torshalla, Sweden: 59.25 N. 16.29 E **10**
Torshavn, Faeroe Islands, (Denmark): 62.00 N. 6.45 W. **5**
Max. Size: Draft 25 ft. *Fuel:* All kinds. *Dry Docks:* Slipway for vessels up to 2,000 tons. *Airport:* 2 hours by car.
Torsminde, Denmark: 56.28 N. 8.10 E. **10**
Torsvag, Norway: 70.15 N. 19.30 E. **9, 15**
Tortola Is, British Virgin Islands **69**
Tortola Is., Panama: 8.52 N. 79.34 W. **70**
Tortuga Harbor, (Dry Tortugas), Florida, U.S.A.:
24.38 N. 82.54 W. **66**
Tortuga Is., Venezuela **69, 74**
Tory Is., Eire: 55.16 N. 8.14 W. **5**
Tosa, Japan: 33.28 N. 133.25 E. **44**
Tosa Bay, Japan **44**
Tosa-Shimizu, Japan: 32.46 N. 132.57 E. **44**
Totnes, U.K.: 50.26 N. 3.41 W. **5**
Max. Size: LOA 240 ft., draft 12.5 ft. See also Dartmouth.
Tou, see Strand.
Toulon, France: 43.07 N. 5.55 E. **21, 22**
Max. Size: Ships up to 250 m. LOA and 10 m. draft. Tankers: Up to 7 m. draft at berth and 15,000 tons displacement at buoys. *Fuel:* Available by tanker lorries. *Dry Docks:* Can accommodate vessels in excess of 250 m. *Airport:* Toulon-Nyeres, 23 km.
Tourane, see Danang.
Tournai, Belgium: 50.34 N. 3.26 E. **7**
Toussoum, Egypt: 30.30 N. 32.20 E. **33**
Townsend, see Port Townsend.
Townsville, Queensland, Australia: 19.15 S. 146.50 E. **49**
Max. Size: LOA 238 m., beam 34 m., depths up to 11.8 m. Tankers: Up to 31 ft. draft. *Fuel:* Bunker fuel oil and distillate is available. *Dry Docks:* Slipway capacity of 800 tonnes d.w.t. *Airport:* 6.5 km.
Toyahashi, Japan: 34.43 N. 137.19 E. **42**
Toyama, Japan: 36.46 N. 137.13 E. **42**
Max. Size: LOA 175 m., draft up to 9.5 m. Tankers: 200,000 d.w.t., draft 19 m. *Fuel:* Bonded oil will be brought from Moji. *Airport:* 10 km.
Toyama Shinko, Japan: 36.47 N. 137.10 E. **42**
Max. Size: LOA 200 m., draft 34 ft. *Fuel:* Bonded oil will be brought from Kanmon area. *Dry Docks:* None.
Airport: Toyama, 25 km.
Toyohashi, see Toyahashi.
Trabzon, Turkey: 41.01 N. 39.46 E. **26**
Max. Size: Draft 9.5 m. *Fuel:* Fuel oil in limited quantities.
Tracadie, New Brunswick, Canada: 47.30 N. 64.55 W. **60**
Tralee, Eire: 52.15 N. 9.40 W. **5**
Tramandai, Brazil: 29.59 S. 50.08 W. **72**
(including SBM-1 (W.): 30.01 S. 50.06 W.
SBM-2(E): 30.02 S. 50.05 W.)
Max. Size: SBM-2 (E.): Designed for 200,000 d.w.t. tankers, draft 19 m. (62 ft.). *Fuel:* Not available.
Trangan Is., Aru Is., Indonesia **45**
Trangisvaag, Faeroe Islands, (Denmark): 61.33 N. 6.50 W. **5**
(including Dreines: 61.32 N. 6.48 W.)
Max. Size: Draft up to 7 m. *Fuel:* Diesel gas oil available.
Airport: 50 miles.
Tranmere, see Birkenhead.
Tranoy, Norway: 68.12 N. 15.42 E **15**
Trapani, (Sicily), Italy,: 38.01 N. 12.30 E. **21, 24**
Travemunde, Germany: 53.58 N. 10.53 E. **10, 11**
Max. Size: Depth 7 m. – 9.5 m. Also see Lubeck.
Traverse City, Michigan, U.S.A.: 44.45 N. 85.38 W. **62**
Trebasacci, Italy: 39.52 N. 16.32 E. **24**
Treguier, France: 48.48 N. 3.14 W. **7, 19**
Trelleborg, Sweden: 55.21 N. 13.09 E. **10, 11**
Max. Size: Depths to 8 m. Tankers: LOA 570 ft., depth 8 m.
Fuel: All grades.
Trenton, Ontario, Canada: 44.08 N. 77.34 W. **60, 62**
Trenton, New Jersey, U.S.A.: 40.12 N. 74.46 W. **63, 65**
Trepassey, Newfoundland, Canada: 46.44 N. 53.25 W. **60**
Tresco Is., (Scilly Is.), U.K.: 49.57 N. 6.20 W. **19**
Trevor, U.K.: 53.00 N. 4.25 W. **5, 19**
Triabunna, see Spring Bay.
Trial Bay, N.S.W., Australia: 30.51 S. 153.03 E. **49**
Max. Size: 18,000 d.w.t.
Trieste, Italy: 45.39 N. 13.45 E. **21, 24**
Max. Size: Tankers up to 1,076 ft. LOA, draft 54 ft. 3 in. and 215,000 S.D.W.T. Other vessels: Up to 45 ft. – 52 ft. draft. *Fuel:* All grades. *Dry Docks:* A new dock at Arsenale San Marco takes vessels 255 m. LOA, 35.3 m. moulded breadth, 19.0 m. moulded depth. *Airport:* 15 miles.
Trincomalee, Sri Lanka: 8.36 N. 81.15 E. **37**
Max. Size: Tankers: Up to 650 ft. LOA and 34 ft. draft. Grain: LOA 800 ft., draft 41 ft. (forward) and 46 ft. (aft).
Fuel: Marine heavy diesel and furnace oil. *Airport:* Internal.
Trinidad, Cuba, see Casilda.
Trinidad, see Porto Trinidad.
TRINIDAD AND TOBAGO **69, 72, 74**
Trinidad Bay, Panama Canal **70**
Trindade Is., (Brazil): 20.32 S. 29.20 W. **72**
Trinity, Newfoundland, Canada: 48.22 N. 53.22 W. **60**
Trinity Is., Alaska, U.S.A. **54**
Trinkitat, Sudan: 18.42 N. 37.47 E. **32**
Tripoli, Lebanon: 34.28 N. 35.49 E. **26**
Max. Size: Draft 22 ft. 6 in. Tankers: Up to 62 ft. draft.
Fuel: Available. *Airport:* Beirut.
Tripoli, Libya: 32.54 N. 13.13 E. **21, 24**
Max. Size: Draft 28 ft. *Fuel:* Available.
Dry Docks: Lifting capacity 5,000 tons. *Airport:* Tripoli, 27 km.
Triso, see Lingga.
Tristan da Cunha, (U.K.) **18, 29, 68**
Triton Is., Paracel Is., China: 15.55 N. 111.13 E. **38**
Trivandrum, India: 8.29 N. 76.59 E. **37**
Trobriand Is., Papua New Guinea **45, 48**
Troense, Denmark: 55.02 N. 10.39 E. **11**
Trogir, Yugoslavia: 43.31 N. 16.16 E. **24**
Trois Pistoles, Quebec, Canada: 48.07 N. 69.10 W. **60**
Trois Rivieres, Quebec, Canada: 46.22 N. 72.34 W. **60**
Max. Size: Draft 10.6 m. Tankers: Draft 35 ft.
Fuel: Fuel oil and diesel oil. *Dry Docks:* None.
Airport: Charter only, 5 miles.
Trollhattan, Sweden: 58.15 N. 12.20 E. **10**
Trollhatte Canal, Sweden: 58.00 N. 12.00 E. **10**
Max. Size: Locks: 87 m.×13 m.×5.3 m., Airdraft 27 m.
Trombetas, see Porto Trombetas.
Tromelin Is., (France): 16.00 S. 54.28 E. **30**
Trompeloup, France: 45.14 N. 0.45 W. **19**
Max. Size: See Pauillac, Bordeaux.
Tromso, Norway: 69.39 N. 18.58 E. **9, 15**
Max. Size: Depth 34 ft. Tankers: Depth 20 ft. – 39 ft.
Fuel: All grades. *Dry Docks:* 4 slipways, 80 ft. – 222 ft.
Airport: 5 km.
Trondheim, Norway: 63.25 N. 10.24 E. **9, 15**
Max. Size: Depth 34 ft. Tankers: Depth 9 m. – 12 m.
Fuel: Available. *Dry Docks:* None. *Airport:* 35 km.
Troon, U.K.: 55.33 N. 4.40 W. **5, 6**
Max. Size; LOA 146 m., draft 7.3 m. *Fuel:* Available.
Dry Docks: Two, max. LOA 400 ft., beam 50 ft.
Trosa, Sweden: 58.55 N. 17.35 E. **10**
Trout River, Newfoundland, Canada: 49.28 N. 58.08 W. **60**

Trouville, France: 49.23 N. 0.05 E. 7, 8
Max. Size: Depth 2.80 m., dries out at LW.
Fuel: Small quantity by tank-lorry. *Airport:* 3 miles.
Troy, New York, U.S.A.: 42.44 N. 73.42 W. 63
Trujillo, Honduras: 15.54 N. 86.00 W. 69
Truk Is., Caroline Is., Micronesia 45, 48
Truro, U.K.: 50.15 N. 5.05 E. 5
Tsamkong, see Zhanjiang.
Tsi Nan, see Jinan.
Tsingtao, see Qingdao.
Tsinkiang, see Chang Chow.
Tsu, Japan: 34.41 N. 136.32 E. 42
Tsugaru Strait, Japan 42
Tsuiyama, Japan: 35.39 N. 134.50 E. 42
Tsukumi, Japan: 33.05 N. 131.52 E. 44
Max. Size: Draft 16 m., 100,000 d.w.t.
Fuel: Bonded oil brought from Moji or Matsuyama.
Airport: Oita, 1 hour by train.
Tsuruga, Japan: 35.40 N. 136.03 E. 42
Max. Size: LOA 300 m., draft 9.2 m. *Fuel:* Bonded oil will be brought from Moji. *Airport:* 1 hour by train.
Tsurumi, see Yokohama.
Tsurusaki, Japan: 33.15 N. 131.42 E. 44
Tsushima Is., Japan 41, 42, 44
Tual, Kai Is., Indonesia: 5.38 S. 132.44 E. 45
Tuamotu Archipelago, French Polynesia 48
Tuapi, Nicaragua: 14.10 N. 83.10 W. 69
Tuapse, U.S.S.R.: 44.06 N. 39.04 E. 21, 26
Max. Size: LOA 220 m., draft 12 m. Tankers: LOA 235 m., draft 12 m. *Fuel:* Fuel oil and gas oil.
Airport: Sochi, 120 km.
Tuban, Indonesia: 6.54 S. 112.04 E. 38
Tubang, Indonesia: 01.45 S. 125.06 E. 45
Max. Size: Depth 18.0 m. *Fuel:* Not available.
Tubarao, Brazil: 20.17 S. 40.15 W. 72
Max. Size: LOA 350 m., draft 20 m. plus tide. Tankers: LOA 160 m., draft 7.9 m. *Fuel:* Bunkers and diesel available at Oil Terminal and by truck. *Airport:* 8 km. (Internal).
Tuborg Havn, Denmark: 55.44 N. 12.35 E. 10
Max. Size: Draft 6.0 m., 4,000 d.w.t. *Fuel:* All grades.
Airport: Copenhagen, 14 miles (23 km.).
Tubuai Is., French Polynesia 48
Tucacas, Venezuela: 10.45 N. 68.20 W. 69, 73
Tuckerton, New Jersey, U.S.A.: 39.36 N. 74.20 W. 63
Tucurui, Brazil: 3.43 S. 49.43 W. 72
Tudy, see Port Tudy.
Tufi, Papua New Guinea: 9.05 S. 149.19 E. 45
Tugur, U.S.S.R.: 53.45 N. 136.45 E. 42
Tulcea, Romania: 45.15 N. 28.45 E. 26
Max. Size: See Sulina. *Airport:* Connects Bucharest.
Tulear, Madagascar: 23.20 S. 43.40 E. 30
(incl. St. Augustin Bay: 23.28 S. 43.40 E.)
Tumaco, Colombia: 1.49 N. 78.45 W. 69, 72
Max. Size: Depth 22 ft. Tankers: 80,000 d.w.t., LOA 1,200 ft. and draft 90 ft. at buoys.
Fuel: Supplied by barge. *Airport:* 4 km.
Tumany, U.S.S.R.: 60.50 N. 156.00 E. 54
Tumby Bay, S.A., Australia: 34.23 S. 136.06 E. 49
Tumpat, Malaya, Malaysia: 6.11 N. 102.12 E. 38, 39
Tunadalshamnen, see Sundsvall.
Tunas De Zaza, Cuba: 21.37 N. 79.32 W. 69
Max. Size: Draft 29 ft. *Fuel:* Not available.
Tunb Is., Iran: 26.15 N. 55.17 E. 35
Tung Hai Tan, see Paso.
Tung Ling, see Tongling.
Tungprong Port, see Sattahip.
Tunis, Tunisia: 36.46 N. 10.16 E. 21, 24
Max. Size: Draft 21 ft. 6 in. See also La Goulette.
TUNISIA 21, 24
Turbo, Colombia: 8.06 N. 76.43 W. 69, 72
Max. Size: Anchorage port. *Fuel:* Not available.
Turf Point, see St. Georges, Newfoundland, Canada
Turiamo, Venezuela: 10.28 N. 67.51 W. 69, 74
Turkeli Is., Turkey: 40.30 N. 27.31 E. 25
TURKEY 21, 25, 26
TURKS AND CAICOS ISLANDS, (U.K.) 69
Turku, Finland: 60.27 N. 22.15 E. 9, 10
Max. Size: Draft 11 m. (FW). Tankers: Draft 9 m. (FW).
Fuel: Most grades. *Dry Docks:* Graving dock: Length 600 ft. (183 m.), width of sluice gate 85 ft. (26 m.), depth on sill 26 ft. 3 in. (8.3 m.) *Airport:* 10 km.
Turukhansk, U.S.S.R.: 65.51 N. 87.40 E. 16
Tuticorin, India: 8.45 N. 78.13 E. 37
Max. Size: Draft 10.67 m., LOA 235 m.. *Fuel:* Road tanker.
Airport: Madurai, 100 miles.
Tutoia, Brazil: 2.47 S. 42.17 W. 72
Tutuila Is., see Pago Pago.
Tutuncifilik, Turkey: 40.45 N. 29 47 E. 25
Max. Size: Draft 18 m. *Fuel:* Available with notice.
TUVALU 48
Tuxpan, Mexico: 20.57 N. 97.24 W. 69
Max. Size: LOA 190 m., depth 15 ft. – 23 ft.
Tankers: Draft 55 ft. at SBM's. *Fuel:* Small quantities of diesel.
Tuzla, Turkey: 40.48 N. 29.19 E. 25, 26
Tvaeraa, see Trangisvaag.
Tvedestrand, Norway: 58.37 N. 8.57 E. 10
Tvoroyri, see Trangisvaag.
Tweed Heads, N.S.W., Australia: 28.10 S. 153.33 E. 49
Twillingate, Newfoundland, Canada: 49.40 N. 54.45 W. 60
Max. Size: Depth 21 ft. – 34 ft. *Airport:* Gander, 100 miles.
Two Harbours, Minnesota, U.S.A.: 47.01 N. 91.39 W. 62
Two Rivers, Wisconsin, U.S.A.: 44.09 N. 87.33 W. 62
Twofold Bay, see Eden.
Tybee Roads, see Savannah.
Tyne District, U.K. (including Newcastle, North/South Shields, Jarrow, Tynemouth, Howdon, Wallsend and Gateshead, Tyne Dock): 55.01 N. 01.24 W. 62
Max. Size: Harbour entrance, draft 11 m. at HW.
Tankers: (Hordon) Depth 9.5 m. (MHWS).
Dry Docks: Largest 216 m.×29.6 m.×8.5 m.
Fuel: All grades. *Airport:* Newcastle.
Tyne Dock, U.K.: 54.59 N. 1.27 W. 5
Max. Size: Riverside Quay, draft up to 10 m.
Fuel: All grades. *Dry Docks:* 217.9 m × 32 m., depth on sill 9.4 m. MHWS, (Wallsend). *Airport:* Newcastle.
Tynemouth, see Tyne District.
Tyrrhenian Sea 21, 24

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U

U.A.E., see United Arab Emirates.

Ua Hika, Marquesas Is., French Polynesia: 8.54 S. 139.33 W. . 48

Ua Pou, see Nuku Hiva.

Ube, Japan: 33.56 N. 131.15 E. 44
Max. Size: Depth 10 m. Limestone: Draft 11 m. Tankers: LOA 325 m., draft 19.5 m. 230,000 d.w.t. *Fuel:* Bonded bunkers lightered from nearest bunker stock ports. *Dry Docks:* None. *Airport:* 30 minutes.

Ubu, Brazil: 20.47 S. 40.35 W. 72
Max. Size: Depth of channel 18 m. (59 ft.). Departure draft: 15.5 m. plus height of tide. *Fuel:* Not available. *Airport:* Vitoria, 70 km. (Internal). Guarapari, 20 km. (Air taxi).

Uchimui, Japan: 31.44 N. 131.28 E. 44

Uchiura, Japan: 35.32 N. 135.30 E. 42

Ucluelet, British Columbia, Canada: 48.57 N. 123.33 W. 56

Udang Natuna, Indonesia: 4.02 N. 106.29 E. 38
Max. Size: 93,000 d.w.t., LOA 360 m., depth 19 m.

Udbyhoj, Denmark: 56.37 N. 10.19 E. 11

Uddevalla, Sweden: 58.21 N. 11.56 E. 9, 10
Max. Size: Draft 11 m., height 43 m. Tankers: 9.5 m. – 10.7 m. *Fuel:* All grades. *Airport:* Gothenburg, 100 km.

Ueckermunde, Germany: 53.45 N. 14.03 E. 10

Uelen, U.S.S.R.: 66.05 N. 169.46 W. 54

Uelkal, U.S.S.R.: 65.31 N. 179.18 W. 54

Ugashik, Alaska, U.S.A.: 57.30 N. 157.25 W. 54

Ugborodo, Nigeria: 5.33 N. 5.03 E. 28

Uglegorsk, U.S.S.R.: 49.04 N. 142.02 W. 42

Ugue, see Baie Ugue.

Uig, U.K.: 57.35 N. 6.22 W. 5

Ujang Pandang, see Macassar.

Ujelang Atoll, Marshall Is., (U.S.A.): 9.49 N. 160.53 E. 48

U.K., see United Kingdom.

Uka, U.S.S.R.: 57.45 N. 162.00 E. 54

Ulchin, South Korea: 37.00 N. 129.15 E. 41, 42

Ulcinj, Yugoslavia: 41.56 N. 19.11 E. 24

Uleaborg, see Oulu.

Uleeheue, Indonesia: 5.34 N. 95.17 E. 38

Ulithi Is., Caroline Is., Micronesia 45

Ulladulla, N.S.W., Australia: 35.22 S. 150.28 E. 49

Ullanger, see Askja.

Ullapool, U.K.: 57.54 N. 5.09 W. 5

Ulsan, South Korea: 35.27 N. 129.23 E. 41, 42
Max. Size: Depth 7 m. – 11 m. Tankers: Draft 64.5 ft., 260,000 d.w.t. *Fuel:* Available by barge only.

Ulsta Bay, see Burravoe.

Ulsteinvik, Norway: 62.21 N. 5.51 E. 9, 15

Ulverstone, Tasmania, Australia: 41.10 S. 146.11 E. 49

Ulya, U.S.S.R.: 59.08 N. 142.00 E. 42

Um Al Qiwain, U.A.E., see Umm al Qaiwan.

Umaiso, see Matsuyama.

Umanak, Greenland, (Denmark): 70.41 N. 52.09 W. 17

Umba, see Lesnoy.

Umboi Is., Papua New Guinea 45

Umea, Sweden: 63.49 N. 20.16 E. 9, 15
Max. Size: Depth 6 m. – 11 m. Tankers: 42,000 d.w.t., LOA 215 m., draft 9.7 m. *Fuel:* All grades available. *Airport:* 20 km.

Umm al Nar, U.A.E.: 24.27 N. 54.29 E. 35
Max. Size: 30,000 d.w.t., draft 9.25 m. *Fuel:* Not available.

Umm Al Qaiwain, see Ahmed Bin Rashid

Umm Lajj, Saudi Arabia: 25.02 N. 37.25 E. 32

Umm Qasr, Iraq: 30.04 N. 47.57 E. 35
Max. Size: LOA 580 ft. *Airport:* Basrah, 50 miles.

Umm Said, Qatar: 24.54 N. 51.34 E. 31, 35
Max. Size: Draft 39 ft. (HW), LOA 850 ft. LNG: LOA 950 ft., depth 42 ft. *Fuel:* Available.

Umnak Is., Alaska, U.S.A. 54

Umnak Pass, Aleutian Is., Alaska, U.S.A. 54

Unalakleet, Alaska, U.S.A.: 63.55 N. 160.45 W. 54

Unalaska, Alaska, U.S.A.: 53.54 N. 166.30 W. 54
Max. Size: Channel depth 24 ft., depth alongside 18 ft. – 50 ft. *Fuel:* Available. *Airport:* 4.5 miles.

Unalaska Is., (Aleutian Is.), Alaska, U.S.A. 54

Unga, Alaska, U.S.A.: 55.11 N. 160.30 W. 54

Ungalik, Alaska, U.S.A.: 64.34 N. 160.56 W. 54

Ungava Bay, Quebec, Canada 59

Unggi, North Korea: 42.20 N. 130.25 E. 42

Unimak, Alaska, U.S.A.: 54.30 N. 164.30 W. 54

Unimak Passage, (Aleutian Is.) Alaska, U.S.A. 54

Union Bay, British Columbia, Canada: 49.36 N. 124.53 W. . . . 56

UNION OF SOVIET SOCIALIST REPUBLICS (U.S.S.R.) 9, 10, 13, 16, 21, 26, 42, 54

UNITED ARAB EMIRATES (U.A.E.) 31, 35

UNITED KINGDOM (U.K.) 5, 7, 19

UNITED STATES OF AMERICA (U.S.A.) 54-57, 60, 62-67

Uno, Japan: 34.29 N. 133.57 E. 44
Max. Size: LOA 176 m., draft 12 m. *Fuel:* Bonded fuel is available from main ports. *Dry Docks:* Up to 150,000 d.w.t. *Airport:* Okayama, 25 km.

Unst, U.K.: 60.52 N. 0.53 W. 5

Unye, Turkey: 41.07 N. 37.17 E. 26

Upernavik, Greenland, (Denmark): 72.46 N. 56.09 W. 17

Upnor, see Rochester, U.K.

Upolu Is., Western Samoa 48

Upper Bay, New York, U.S.A. 63

Upper Beauharnois Lock, see St. Lawrence Seaway.

Uppsala, Sweden: 59.52 N. 17.38 E. 10

Uraba Is., Panama: 8.47 N. 79.32 W. 70

Uraga, Japan: 35.14 N. 139.43 E. 42

Uragami, Japan: 33.34 N. 135.52 E. 42

Urangan, Queensland, Australia: 25.18 S. 152.54 E. 49

Urangel, see Nakhodka.

Urdiales, see Castro Urdiales.

Urinj, see Bakar.

URUGUAY 72, 75

U.S.A., see United States of America.

Useless Loop, W.A., Australia: 26.05 S. 113.24 E. 49
Max. Size: Depth 33 ft. (LWOST). *Fuel:* Not available. *Airport:* See Cape Cuvier.

Ushant, France: 48.25 N. 5.05 W. 19

Ushibuka, Japan: 32.13 N. 130.01 E. 44

Ushuaia, Argentina: 54.49 S. 68.18 W. 72
Max. Size: Depth 18 ft. – 30 ft. *Fuel:* Available. *Airport:* Flights to Buenos Aires.

Usiba, see Salvador, Brazil.

Uskudar, see Haydarpasa.

U.S.S.R. see Union of Soviet Socialist Republics.

Ust Chaun, U.S.S.R.: 68.17 N. 170.32 E. 54

Ust Dunaysk, U.S.S.R.: 45.28 N. 29.42 E. 26
Max.Size: Draft 11.5 m. *Fuel:* Notice required.

Ust-Kara, see Kara.

Ust Port, U.S.S.R.: 69.40 N. 84.26 E. 16

Ustica Is., Italy: 38.43 N. 13.11 E. 24

Ustka, Poland: 54.35 N. 16.52 E. 9, 10

Ustkamchatka, U.S.S.R.: 56.12 N. 162.28 E. 54

Ustluga, U.S.S.R.: 59.38 N. 28.19 E. 10

Usuki, Japan: 33.08 N. 131.48 E. 44

Usunkum, see Eregli.

Utansjo, Sweden: 62.46 N. 17.57 E. 15

Utersen, see Schutau.

Utila Is., Honduras: 16.06 N. 86.58 W. 69

Utirik, U.S.A.: 11.20 N. 169.50 E. 48

Uto Is., Sweden: 58.57 N. 18.18 E. 10

Utrecht, Netherlands: 52.02 N. 5.08 E. 7

Uturoa, Raiatea, Society Is., French Polynesia: 16.44 S. 151.25 W. 48

Utvuren-vuk, see Egvekinot.

Uusikaarlepyy, see Nykarleby.

Uusikaupunki, Finland: 60.48 N. 21.24 E. 9, 10
Max. Size: Depth 10 m. *Fuel:* Available. *Dry Docks:* Floating dock, lifting power 5,000 tons, draft 6.1 m., breadth 19.6 m., length 130 m. *Airport:* Turku, 90 km.

Uvea Is., see Wadrilla.

Uwajima, Japan: 33.13 N. 132.33 E. 44

Uyedinyeniya Is., U.S.S.R.: 77.30 N. 82.22 E. 16

Uzava, U.S.S.R.: 57.12 N. 21.23 E. 10

NOTES, ADDITIONS, CORRECTIONS

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V

Vaag, Faeroe Is., (Denmark): 61.28 N. 6.48 W. 5
Vaago, Faeroe Is., (Denmark) 5
Vaasa, Finland: 63.06 N. 21.36 E. 9, 15
Max. Size: Depth 9.0 m. Tankers: LOA 185 m., depth 9.0 m.
Fuel: All grades. *Airport:* 8 miles.
Vacamonte, Panama: 8.51 N. 79.40 W. 70
Max. Size: Up to 3,000 tons, LOA 120 m., draft 7 m.
Fuel: Available. *Airport:* Panama City.
Vada, Italy: 43.21 N. 10.27 E. 24
Max. Size: Draft 11.0 m.
Vadinar (S.B.M.), India: 22.31 N. 69.42 E. 37
Max. Size: 300,000 d.w.t.
Vado Ligure, Italy: 44.16 N. 8.26 E. 24
Max. Size: Depth 20 ft. – 41 ft. Tankers: Up to 260,000 d.w.t. at buoys. Depth at piers 31 ft. – 39 ft.
Fuel: Available. *Airport:* Genoa, 50 km.
Vadso, Norway: 70.04 N. 29.45 E. 9, 15
Max. Size: Depth 7 m. *Fuel:* Gas and diesel oil.
Airport: 4 km.
Vagur, see Vaag.
Vaigach, U.S.S.R.: 70.15 N. 58.45 E. 16
Vaitape, Bora Bora, Society Islands, French Polynesia: 16.31 S. 151.45 W. 48
Max. Size: LOA 220 m., beam 30 m., draft 9 m.
Fuel: Not available. *Airport:* Inter-island, 7 km.
Vaja, see Kramfors.
Vaksdal, Norway: 60.29 N. 5.44 E. 10
Val de Caes, see Belem.
Valdemarsvik, Sweden: 58.12 N. 16.37 E. 10
Valdez, Alaska, U.S.A.: 61.07 N. 146.21 W. 54
Max. Size: Dock: Depth 36 ft. MLLW. Tankers: Depth 36 ft. at dock. Also see Valdez Marine Terminal. *Fuel:* Not available.
Airport: Connects with Anchorage.
Valdez Marine Terminal, Alaska, U.S.A.: 61.05 N. 146.24 W. . . 54
Max. Size: 265,000 d.w.t. *Fuel:* Not available.
Valdivia, Chile: 39.49 S. 73.15 W. 72
Vale, Channel Is., (U.K.): 49.32 N. 2.32 W. 19
Valencia, Spain: 39.27 N. 00.18 W. 21, 22
Max. Size: Depth 7 m. – 16 m. Tankers: Depth 10 m.
Fuel: By pipe-lines. *Dry Docks:* Lifting capacity 8,000 tonnes (floating dock). *Airport:* 15 km.
Valentia, Eire: 51.55 N. 10.18 W. 5
Valko, Finland: 60.25 N. 26.16 E. 10
Max. Size: Depth 4.2 m. – 8.5 m.
Valkom, see Valko.
Vallarta, see Puerto Vallarta.
Vallcarca, Spain: 41.14 N. 1.52 W. 22
Vallejo, California, U.S.A.: 38.05 N. 122.15 W. 57
Valletta, Malta: 35.54 N. 14.31 E. 21, 24
Max. Size: Depth 7 m. – 15 m. *Fuel:* Gas oil, fuel oil, thin fuel oil. *Dry Docks:* Length 360 m., beam 62 m., depth 10.72 m., capacity 300,000 d.w.t. *Airport:* Luqa, 4 miles.
Valleyfield, Quebec, Canada: 45.15 N. 74.08 W. 61
Vallgrund, Finland: 63.15 N. 21.10 E. 15
Vallvik, Sweden: 61.11 N. 17.11 E. 9, 15
Max. Size: Draft in fairway 7.5 m. Depth alongside 5.2 m. – 8.3 m.
Fuel: Tanker lorries. *Dry Docks:* None. *Airport:* Arlanda, 15 miles.
Valona, see Vlore.
Valparaiso, Chile: 33.02 S. 71.39 W. 72
Max. Size: Depth 6.5 m. – 9.5 m. *Fuel:* Diesel and petroleum.
Dry Docks: Floating dock with lifting capacity of 10,000 tons.
Airport: Pudahuel, 90 km.
Valverde, Canary Is., (Spain): 27.55 N. 18.00 W. 27
Van Diemens Gulf, N.T., Australia 49
Van Hoa, Vietnam: 21.12 N. 107.34 E. 38
Vancouver, British Columbia, Canada: 49.17 N. 123.07 W. . 1, 56
Max. Size: Depth 7.3 m. – 15.5 m. Tankers: Depth 4.6 m. – 11 m. Also see Roberts Bank. *Fuel:* Fuel and diesel oil in any quantity.
Dry Docks: Max. capacity 9,000 tons and 36,000 tons.
Airport: Vancouver.
Vancouver, Washington, U.S.A.: 45.36 N. 122.40 W. 55, 57
Max. Size: River channel depth maintained at 45 ft.
Fuel: Viscosity grades of B and lower.
Dry Docks: See Portland, Oregon. *Airport:* 10 miles.
Vancouver Is., British Columbia, Canada 56
Vandermere, North Carolina, U.S.A.: 35.20 N. 76.50 W. 63
Vanersborg, Sweden: 58.25 N. 12.25 E. 10
Vanimo, Papua New Guinea: 2.41 S. 141.18 W. 45
Max. Size: Draft 7.5 m. *Fuel:* Distillate by road.
Vanino, U.S.S.R.: 49.05 N. 140.15 E. 42
Vankarem, U.S.S.R.: 67.52 N. 175.55 W. 54
Vannes, France: 47.40 N. 2.46 W. 19
Vansittart Is., N.W.Territories, Canada 59
Vanua Lava, see Banks Is.
Vanua Levu, Fiji 48
VANUATU 48
Vanylven, Norway: 62.05 N. 5.35 E. 15
Varanus Island Terminal, Western Australia, Australia: 20.38 S. 115.36 E. 49
Max. Size: 140,000 d.w.t., LOA 300 m., beam 46 m., draft 17 m.
Fuel: Not available.
Varberg, Sweden: 57.07 N. 12.15 E. 10, 11
Max. Size: LOA 170 m., beam 25 m., draft 23 ft.
Fuel: Fuel oil No. 1 – 5 available. *Airport:* Gothenburg, 50 miles.
Vardo, Finland: 6.18 N. 20.25 E. 10
Vardo, Norway: 70.20 N. 31.10 E. 9, 16
Varkaus, see Saimaa Canal.
Varlerhafn, Germany: 53.24 N. 8.08 E. 8
Varna, Bulgaria: 43.12 N. 27.57 E. 21, 26
Max. Size: Depths up to 31 ft. Tankers: Draft 28 ft. – 30 ft.
Fuel: Bunker "C", diesel and gas oil available.
Dry Docks: Up to 30,000 d.w.t. *Airport:* International.
Varneka, U.S.S.R.: 69.43 N. 60.10 E. 16
Varosha, Cyprus: 35.02 N. 34.00 E. 26
Varton, see Stockholm.
Varzino, U.S.S.R.: 68.30 N. 38.00 E. 16
Vasalemma, U.S.S.R.: 59.15 N. 23.40 E. 10
Vasklot, see Vaasa.
Vassiliko Bay, Cyprus: 34.43 N. 33.19 E. 26
Max. Size: LOA 150 m., draft 8.4 m. Tankers: Depth 12.19 m.
Fuel: Available. *Airport:* 35 miles.
Vasteras, Sweden: 59.37 N. 16.33 E. 9, 10
Max. Size: With beam of 18 m., draft 6.5 m. With beam 17 m., draft 6.8 m. LOA 124 m. Ship Canal: Lowest depth 7.3 m.
Fuel: All grades. *Dry Docks:* None. *Airport:* Arlanda, 120 km.
Vastervik, Sweden: 57.46 N. 16.38 E. 10
Max. Size: Depth 4 m. – 8.3 m.
Vasto, Italy: 42.05 N. 14.40 E. 24
Vathi, (Ithaca), Greece: 38.22 N. 20.43 E. 24, 25
Vathi, (Samos), Greece: 37.45 N. 27.01 E. 26
Vatia Point, (Viti Levu Is.), Fiji: 17.25 S. 177.46 E. 48
Vatneyri, see Patrekshofn.
Vatomandry, Madagascar: 19.19 S. 49.00 E. 30
Vaudreuil, Quebec, Canada: 45.24 N. 74.02 W. 61
Vaukas, Finland: 62.19 N. 27.52 E. 9
Max. Size: See Saimaa Canal.
Vavau, see Neiafu.
Vaxhohn, Sweden: 59.24 N. 18.22 E. 10
Vayenga Bay, see Severomorsk.
Vaygach Is., see Vaigach.
Vecchio, see Porto Vecchio.
Vedbaek, Denmark: 55.51 N. 12.35 E. 11
Vegesack, Germany: 53.10 N. 8.37 E. 10
Veitsiluoto, Finland: 65.42 N. 24.37 E. 15
Max. Size: Depth 7.1 m. *Fuel:* Ordinary fuel, diesel and gas oil by lorry. *Airport:* Kemi, 15 km.
Vejle, Denmark: 55.42 N. 9.33 E. 10, 11
Max. Size: LOA 550 ft., draft 23 ft. *Fuel:* All grades.
Dry Docks: None. *Airport:* Billund, 32 km.
Vela de Coro, see Coro.
Vela Luka, Yugoslavia: 42.58 N. 16.42 E. 24
Velikaya, U.S.S.R.: 67.30 N. 49.00 E. 16
Velho, see Porto Velho.
Velsen, Netherlands: 52.27 N. 4.39 E. 7
Venado Is., Panama: 8.53 N. 79.36 W. 70
Venalum Terminal, Venezuela: 8.18 N. 62.50 W. 74
Max. Size: Depth 12 m.
Vendres, see Port Vendres.
VENEZUELA 69, 72, 73, 74
Vengurla, India: 15.51 N. 73.38 E. 37
Venice, Italy: 45.26 N. 12.20 E. 21, 24
(Incl. Porto Marghera: 45.28 N. 12.17 E.)
Max. Size: Depth 4 m. – 13 m. Bulk: Draft 28 ft. Tankers: Draft 22 ft. – 45 ft. 3 in. *Fuel:* All grades.
Dry Docks: Largest: 820.3 ft.×117.8 ft.×36 ft. on sill at HW.
Airport: 10 km.
Ventnor, U.K.: 50.36 N. 1.12 W. 7
Ventry, Eire: 52.07 N. 10.21 W. 5
Ventspils, U.S.S.R.: 57.24 N. 21.33 E. 10
Max. Size: LOA 215 m., draft 11.94 m. (FW).
Tankers: LOA 235 m., beam 32 m., draft 12.48 m. (FW).
Fuel: All grades. *Dry Docks:* None.
Ventura, California, U.S.A.: 34.16 N. 119.17 W. 57
Vera Cruz, Mexico: 19.12 N. 96.08 W. 69
Max. Size: LOA 200 m., depth 10 m. Tankers: Draft 28 ft., LOA 170 m. *Fuel:* Available. *Dry Docks:* Lifting capacity 30,000 d.w.t. *Airport:* 8 km.
Veraval, India: 20.54 N. 70.22 E. 37
Max. Size: Anchorage – No restriction. *Fuel:* Not available.
Airport: Keshod, 30 miles.
Verdalsora, Norway: 63.47 N. 11.28 E. 15
Verdon, see Le Verdon.
Verkeback, see Vastervik.
Vermont, U.S.A. 60
Verolme, see Angra dos Reis.

Vesme, see Porto Vesme.
Vesteralen Is., Norway 9, 15
Vesterohaven, Denmark: 57.25 N. 10.55 E. 10, 11
Vestmanhavn, Faeroe Is., (Denmark): 62.10 N. 7.10 W. 5
Vestmannaeyjar, Iceland: 63.30 N. 20.14 W. 17
Max. Size: 5,000 g.r.t. *Fuel:* All grades.
Airport: Local airport.
Vestvagoy, (Lofoten Is.), Norway: 68.10 N. 13.50 E. 15
Vesuvius Bay, Indonesia: 1.52 S. 125.22 E. 45
Viana Do Castelo, Portugal: 41.41 N. 8.50 W. 20
Max. Size: Draft 26 ft. on HWST. Ro-Ro Terminal: LOA 160 m., draft 7.6 m. *Fuel:* Only small quantities of gas oil.
Dry Docks: 203 m.×34 m.×18 ft. *Airport:* Oporto, 55 km.
Viareggio, Italy: 43.52 N. 10.14 E. 24
Vibo Valentia, see Pizzo.
Victor Harbour, S.A., Australia: 35.33 S. 138.37 E. 49, 50
Victoria, (Vic.), Australia 49
Victoria, Cameroon, see Limbe.
Victoria, British Columbia, Canada: 48.25 N. 123.22 W. 56
Max. Size: Depth 33 ft. – 40 ft. *Fuel:* Available.
Dry Dock: See Esquimalt. *Airport:* Victoria, 32 km.
Victoria, Prince Edward I., Canada: 46.13 N. 63.30 W. 60
Victoria, Guinea, see Kamsar.
Victoria, Malaysia, see Labuan.
Victoria, Gozo, Malta: 36.05 N. 14.15 E. 24
Victoria, Seychelles, see Port Victoria.
Victoria Harbour, see Port McNicoll.
Victoria Harbour, see Hong Kong.
Victoria Point, see Kawthaung.
Vidlin, Shetland Is., U.K.: 60.22 N. 1.08 W. 5
Viejo, see Azua.
Vieste, Italy: 41.50 N. 16.14 E. 24
VIETNAM 38
Vieux Fort, St. Lucia: 13.44 N. 60.58 W. 69, 71
Vigo, Spain: 42.14 N. 8.40 W. 20, 21
Max. Size: No limitation on LOA and beam. Depths up to 40 ft. LW. Guixar Quay: Depth 12 m. – 17 m. (under construction). Tankers: Depth 11 m. at LW. *Fuel:* Available.
Dry Docks: One floating dock of 5,000 tons capacity.
Airport: 8 km., connects with Madrid.
Vigsnaes, Denmark: 54.53 N 11.39 E. 11
Vihreasaari, see Oulu.
Vila, Vanuatu: 17.45 S. 168.18 E. 48
Max. Size: LOA 250 m. Depth 10.7 m. Tankers: Draft 7 ft., plus height of tide (HW). *Fuel:* Available by road.
Airport: Connects with Noumea.
Vila do Conde, Brazil: 1.33 S. 48.45 W. 72
Max. Size: 45,000 d.w.t., depth 20 m. *Fuel:* Available.
Airport: Belem.
Vila do Porto, Santa Maria Is., Azores, (Portugal): 36.56 N. 25.09 W. 20
Vila Nova, Azores, (Portugal): 39.50 N. 31.05 W. 20
Vila Real de Santo Antonio, Portugal: 37.10 N. 7.26 W. . . . 20, 22
Max. Size: Draft 5.5 m. (16 ft.) (HW).
Fuel: Gas oil in small quantities.
Vilanculas, Mozambique: 22.00 S. 35.15 E. 30
Vilanova I La Geltru, Spain: 41.13 N. 1.44 E. 22
Max. Size: Depth 12 ft. – 18 ft. *Fuel:* Available.
Airport: Barcelona, 40 km.
Vilkitski, U.S.S.R.: 73.30 N. 75.50 E. 16
Vilkovo, U.S.S.R.: 45.15 N. 29.30 E. 26
Villa Cisneros, Morocco: 23.42 N. 15.55 W. 27
Max. Size: LOA 100 m., beam 12 m., draft 5 m.
Fuel: Subject to advance notice. *Airport:* 1 km.
Villa Constitucion, Argentina: 33.15 S. 60.17 W. 44
Max. Size: Up to 25 ft. draft. *Fuel:* Not available.
Villa San Giovanni, Italy: 38.13 N. 15.38 E. 24
Villa Sanjurjo, see Al Hoceimas.
Villa Urquiza, Argentina: 31.40 S. 60.22 W. 75
Villagarcia De Arosa, Spain: 42.36 N. 8.46 W. 20
Max. Size: Draft 7 m. *Fuel:* Gas oil available.
Airport: Santiago de Compostela, 50 km.
Village Cove, Pribilof Is., Aiaska, U.S.A.: 57.08 N. 170.16 W. . . 54
Villanueva, Mindanao, Philippines: 8.35 N. 124.44 E. 45, 46
Max. Size: Vessels up to 250,000 d.w.t. have entered. LOA 340 m., beam 55 m., draft 25.0 m.
Fuel: Obtainable. *Airport:* Cagayan de Oro, 40 km.
Villaricos, Spain: 37.15 N. 1.47 W. 22
Villaviciosa, Spain: 43.30 N. 5.25 W. 19
Villefranche, France: 43.42 N. 7.19 E. 22
Villequier, see Caudebec.
Vinalhaven, Maine, U.S.A.: 44.03 N. 68.50 W. 60
Vinaroz, Spain: 40.29 N. 0.29 E. 22
Vincent, see Port Vincent.
Vineyard Haven, Mass., U.S.A.: 41.27 N. 70.36 W. 63
Vinh, Vietnam: 18.45 N. 105.45 E. 38
Virac Catanduanes Is., Philippines: 13.35 N. 124.16 E. 46
Virgin Gorda Is., British Virgin Is., (U.K.): 18.28 N. 64.25 W. . 69
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Virginia, U.S.A. 60, 62, 63
Viru Harbour, New Georgia, Solomon Is.: 8.30 S. 157.46 E. . . 48
Vis Is., Yugoslavia: 43.03 N. 16.11 E. 24
Visakhapatnam, India: 17.41 N. 83.18 E. 37
Max. Size: Outer Harbour: LOA 270 m., beam 42 m., draft 15.3 m. Tankers: LOA 260 m., draft 14.3 m. *Fuel:* Available.
Dry Docks: Largest: 244 m.×38 m., 70,000 d.w.t.
Airport: 14 km.
Visby, Sweden: 57.38 N. 18.17 E. 10
Max. Size: Draft 5.6 m. – 6.3 m. Tankers: Draft 7.2 m.
Fuel: Available.
Vita, Cuba: 21.05 N. 75.57 W. 69
(incl. Gibara: 21.07 N. 76.07 W.
Max. Size: Draft 27 ft. (HW), LOA 500 ft. (although vessels LOA 550 ft. have entered). *Fuel:* Not available.
Viti Levu, see Suva.
Vitoria, Terceira Is., Azores, (Portugal): 38.45 N. 27.05 W. . . . 20
Vitoria, Brazil: 20.19 S. 40.17 W. 72
Max. Size: 35 ft. 6 in. draft at HW, 32 ft. draft at LW. Tankers: LOA 531 ft., draft 27 ft.
Fuel: Available. *Airport:* 8 km. (Internal).
Vivero, Spain: 43.40 N. 7.35 W. 19
Vivstavarv, Sweden: 62.29 N. 17.28 E. 15
(Incl. Ostrand: 62.29 N. 17.21 E., Skonvik: 62.28 N. 17.22 E., Sund: 62.27 N. 17.23 E. and Fagervik: 62.30 N. 17.24 E.)
Max. Size: Draft 7.3 m. Ostrand: Draft 7 m. (Tankers).
See also Sundsvall.
Vlaardingen, Netherlands: 51.54 N. 4.20 E. 7, 8
Max. Size: Draft 35 ft. (LW). *Fuel:* Available.
Dry Docks: Capacity 5,300 tons. *Airport:* Rotterdam, 10 km.
Vladimir, see Port Vladimir.
Vladivostok, U.S.S.R.: 43.10 N. 131.50 E. 42
Vlieland Is., Netherlands: 53.17 N. 5.00 E. 10
Vlissingen, see Flushing.
Vlore, Albania: 40.27 N. 19.29 E. 24, 25
Voer, Denmark: 56.31 N. 10.14 E. 11
Vohemar, Madagascar: 13.23 S. 50.00 E. 30
Volcano Is., Japan 45
Vollsfjorden, see Skien.
Volonga, U.S.S.R.: 67.00 N. 48.50 E. 16
Volos, Greece: 39.21 N. 22.56 E. 21, 24, 25
Max. Size: Draft 30 ft. *Fuel:* Via tanker, capacity 182 tons.
Airport: None locally.
Voltri, Italy: 44.24 N. 8.54 E. 24
Vonitsa, Greece: 38.55 N. 20.54 E. 24, 25
Voorbaai, see Mossel Bay.
Vopnafjord, Iceland: 65.45 N. 14.50 W. 17
Vordingborg, Denmark: 54.59 N. 11.54 E. 10, 11
Max. Size: Draft 19 ft., beam 25 m. (depending on vessel's height). Width of bridge opening 25 m. At a height of 25 m., width of opening 22 m. due to angle of raised bridge.
Fuel: All common fuels available. *Dry Docks:* None.
Vostochny, U.S.S.R.: 42.44 N. 133.03 E. 42
Max. Size: 250,000 d.w.t., draft 15 m. at Coal Pier, elsewhere 9.7 m. *Fuel:* Available. *Dry Dock:* None.
Vostochny, U.S.S.R.: 48.16 N. 142.38 E. 42
Vostok Is., Kiribati: 10.05 S. 152.23 W. 48
Voudhia Bay, Milos, Greece: 36.45 N. 24.32 E 25
Max. Size: LOA 610 ft., draft 33 ft.
Vouksi, see Saimaa Canal.
Vrangelya Is., U.S.S.R.: 70.30 N. 180.00 E. 54
Vuda Point, see Lautoka.
Vulcano Is. Italy: 38.25 N. 14.58 E. 24
Vung Tau, Vietnam: 10.21 N. 107.04 E. 38
Max. Size: LOA 250 m., draft 15.0 m., 80,000 d.w.t.
Fuel: Available. *Airport:* Tan Son Nhat, International.
Vyborg, U.S.S.R.: 60.42 N. 28.44 E. 9, 10, 13
Max. Size: Depths up to 7.8 m. alongside.
Fuel: Available by barge.
Vysotsk, U.S.S.R.: 60.37 N. 28.34 E. 10, 13

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W

Wabana, Newfoundland, Canada: 47.37 N. 52.56 W. 60
Wachusett Reef: 32.00 S. 151.00 W. 48
Waddington, New York, U.S.A.: 44.51 N. 75.12 W. 61
Wadi Firan, Egypt: 28.44 N. 33.13 E. 32
Max. Size: 105,000 d.w.t., draft 75 ft. *Fuel:* Not available.
Wadrilla, Ouvea Is., New Caledonia: 20.35 S. 166.33 E. 48
Max. Size: Depth 4 m. See also Noumea.
Wageningen, Suriname: 5.46 N. 56.41 W. 69, 72
Wager Bay, N.W. Territories, Canada: 65.40 N. 89.00 W. 59
Wahai, Indonesia: 2.45 S. 129.32 E. 45
Wahran, see Oran.
Waigeo Is., Indonesia: 0.15 S. 130.40 E. 45
Waija, see Kramfors.
Waingapu, Indonesia: 9.37 S. 120.13 E. 45
Wainwright, Alaska, U.S.A.: 70.39 N. 160.00 W. 54
Waipipi, see Waverley Harbour.
Waipu, New Zealand: 36.00 S. 174.30 E 52
Wairoa, New Zealand: 39.05 S. 177.25 E 52
Waisarisa, Indonesia: 03.13 S. 128.16 E. 45
Max. Size: Depth 85 m. *Airport:* See "Ambon".
Waitara, New Zealand: 39.00 S. 174.15 E 52
Wajima, Japan: 37.28 N. 136.58 E. 42
Wakamatsu, Japan: 33.54 N. 130.48 E. 43
Max. Size: LOA 165 m., draft 8.5 m.
Fuel: Bonded oil will be brought from Moji, Ube or Ohita.
Dry Docks: None. *Airport:* See Yawata.
Wakayama, Japan: 34.13 N. 135.08 E. 44
Max. Size: LOA 300 m., draft 14.0 m. 100,000 d.w.t. or 150,000 d.w.t. part-load. *Fuel:* Bonded bunkers will be lightered from the nearest bunker stock ports.
Dry Docks: None. *Airport:* Itami, Osaka, 3 hours by car.
Wake Island, (U.S.A.): 19.15 N. 166.34 W. 48
Wakeham, see Maricourt.
Wakkanai, Japan: 45.28 N. 141.50 E. 42
Wakrah, Qatar: 25.10 N. 51.37 E. 35
Wala, Art Is., New Caledonia: 19.43 S. 161.19 E. 48
Max. Size: Depth 4 m. See also Noumea.
Walcheren Is., Netherlands 7
Walcott, see Port Walcott.
Wales, (U.K.) 5, 7
Wales, Alaska, U.S.A.: 65.40 N. 168.08 W. 54
Walkom, see Valko.
Wallaceburg, Ontario, Canada: 42.37 N. 82.25 W. 62
Wallaroo, S.A., Australia: 33.56 S. 137.37 E. 50
Max. Size: LOA 190 m., beam 28 m., depth in approaches 8.4 m., depth alongside 7.32 m. – 9.45 m. *Fuel:* Available.
Wallhamn, Sweden: 58.01 N. 11.42 E. 10
Max. Size: Draft 10 m. Stone loading berth: Depth 6.0 m.
Fuel: Most grades. *Airport:* Gothenburg, 85 km.
Wallis Is., (France): 13.20 S. 176.10 W. 48
Walls, U.K.: 60.14 N. 1.34 W. 5
Wallsend, U.K.: 54.59 N. 1.30 W. 5, 6
Max. Size: Harbour entrance, draft 8 m. any state of tide.
Fuel: All grades. *Dry Docks:* 217.9 m. × 32 m., depth on sill 8.8 m. MHWS. *Airport:* Newcastle. See also Tyne Dock.
Walpole Is., Ontario, Canada: 42.37 N. 82.31 W. 62
Walpole Is., New Caledonia, (France): 22.38 S. 168.55 E. 48
Walsh Bay, see Sydney, Australia.
Walton, Nova Scotia, Canada: 45.14 N. 64.00 W. 60
Walvis Bay, Namibia: 22.57 S. 14.30 E. 29
Max. Size: Draft 10.4 m., LOA 224 m. Tankers: LOA 650 ft., draft 9.9 m. *Fuel:* Gas oil available. *Airport:* 14 km.
Wamsasi, Indonesia: 3.33 S. 126.09 E. 45
Max. Size: Anchorage port: Depth 15 m. (600 m. offshore).
Wanapiri, Indonesia: 4.28 S. 135.51 E. 45
Wanganui, New Zealand: 39.57 S. 175.00 E. 52
Max. Size: LOA 120 m., beam 20 m., draft usually 5 m. max. at HWS. *Fuel:* All grades available but ship has to pump out of road tankers. *Airport:* 6 miles.
Waratah, see Newcastle, Australia.
Wareham, Massachusetts, U.S.A.: 41.45 N. 70.43 W. 64
Warkworth, U.K.: 55.20 N. 1.40 W. 5
Warnemunde, Germany: 54.10 N. 12.05 E. 10, 11
Max. Size: Depth 27 ft. 6 in. See also Rostock.
Warrenpoint, U.K.: 54.06 N. 6.16 W. 5
Max. Size: Depth 17 ft. (LWOST). *Fuel:* Available.
Dry Docks: None. *Airport:* Belfast, 60 miles. Dublin, 75 miles.
Warrenton, Oregon, U.S.A.: 46.10 N. 123.55 W. 57
Warri, Nigeria: 5.30 N. 5.44 E. 28
Max. Size: LOA 156 m., draft 6.4 m. due to Escravos Bar. Also see Burutu. *Fuel:* See Lagos. *Airport:* Service to Lagos.
Warrington, U.K.: 53.25 N. 2.37 W. 5
Max. Size: See Manchester.
Warrnambool, Victoria, Australia: 38.24 S. 142.28 E. 49, 50
Warwick, Virginia, U.S.A.: 33.27 N. 77.25 W. 63
Washburn, Wisconsin, U.S.A.: 46.39 N. 90.54 W. 62
Washington State, U.S.A. 56, 57
Washington D.C., U.S.A.: 38.55 N. 77.00 W. 60, 63, 65
Washington, N. Carolina, U.S.A.: 35.34 N. 77.04 W. 63
Washington, see Port Washington.
Washington Is., Kiribati: 4.43 N. 160.25 W. 48
Watchet, U.K.: 51.11 N. 3.20 W. 5, 6
Max. Size: LOA 90 m., beam 16 m., draft 12 ft. (neap). 14 ft. – 18 ft. (spring). *Fuel:* All grades. *Airport:* Bristol.
Waterford, Eire: 52.15 N. 7.07 W. 5
Max. Size: LOA 450 ft., LOA 475 ft. by arrangement, draft 22 ft. (neap), 24 ft. (spring), 14,000 d.w.t.
Fuel: Supplies available by road tanker.
Dry Docks: None. *Airport:* Waterford, 5 miles.
Wates, Indonesia: 7.53 S. 110.06 E. 38
Watling Is., see San Salvador, Bahamas.
Waubaushene, Ontario, Canada: 44.46 N. 79.43 W. 62
Waukegan, Illinois, U.S.A.: 42.22 N. 87.52 W. 62
Waverley Harbour, New Zealand: 39.51 S. 174.36 E. 52
Wayabula, Indonesia: 2.17 N. 128.12 E. 45
We, Lifou Is., New Caledonia, (France): 20.55 S. 167.17 E. . . . 48
Max. Size: Depth 5.5 m. See also Noumea.
Weda, Indonesia: 0.25 N. 127.52 E. 45
Weddell Is., Falkland Is., (U.K.): 51.50 S 61.00 W. 72
Wedgeport, Nova Scotia, Canada: 43.45 N. 66.00 W. 60
Weehawken, see Hoboken.
Weener, Germany: 53.08 N. 7.33 E. 8
Wei Chou Is., China: 21.03 N. 109.08 E. 38
Wei Hai, China: 37.31 N. 122.08 E. 41
Max. Size: Draft 6.5 m. in channel.
Weipa (including Albatross Bay), Queensland, Australia: 12.42 S. 141.41 E. 45, 49
Max. Size: LOA 254 m. (835 ft.), beam 35.3 m. (116 ft.). Channel depth 11 m. (36 ft. 1 in.), LWOST. Depth alongside 41 ft. *Fuel:* Not available.
Dry Docks: None. *Airport:* 10 km.
Weld, see Port Weld.
Welland, Ontario, Canada: 42.58 N. 79.13 W. 62
Max. Size: Depth 27 ft.
Welland Ship Canal 60, 62
Max. Size: Draft 7.92 m. (26 ft.). Locks limit: Length 222.5 m. (730 ft.) and breadth 23.16 m. (76 ft.).
Weller, see Port Weller.
Wellesley Is., Queensland, Australia 49
Wellington, Ontario, Canada: 43.55 N. 77.20 W. 62
Wellington, New Zealand: 41.17 S. 174.46 E. 52
Max. Size: Draft 9.8 m. plus height of tide. Tankers: Draft 11.2 m. *Fuel:* Available.
Dry Docks: None. *Airport:* 7 km.
Wellington Is., Chile 72
Wells, U.K.: 52.57 N. 0.51 E. 5, 7
Welshpool, Victoria, Australia: 38.42 S. 146.28 E. 49, 50
Wemeldinge, Netherlands: 51.31 N. 4.00 E. 7
Wemyss, U.K.: 55.53 N. 4.53 W. 6
Wenchow, see Wenzhou.
Wentworth, see Port Wentworth.
Wenzhou, China: 28.00 N. 120.37 E. 41, 45
Max. Size: Draft 6.0 m.
Wesiri, Indonesia: 7.30 S. 126.31 E. 45
Wesleyville, Newfoundland, Canada: 49.10 N. 53.35 W. 60
West Bay, Louisiana, U.S.A. 67
West Falkland, see Falkland Is.
West Fayu Is., Caroline Is., Micronesia: 8.11 N. 146.48 E. . . . 45
West Hartlepool, see Hartlepool.
West Indies 69
West Point, Virginia, U.S.A.: 37.33 N. 76.48 W. 63, 65
West Spitsbergen, Norway 17
Western Australia, (W.A.), Australia 49
Western Channel, Korea Strait 44
Western Port, Victoria, Australia: 38.21 S. 145.14 E. 49, 50
Max. Size: Depth 12.1 m. Tankers: 165,000 d.w.t., depth 15.8 m. *Fuel:* Fuel oil and diesel oils.
Airport: Melbourne, 55 miles.
WESTERN SAMOA 48
Westkapelle, Netherlands: 51.32 N. 3.26 E. 7
Westland Bight, New Zealand 52
Weston, Sabah, Malaysia: 5.13 N. 115.35 E. 38
Weston Pt., see Runcorn.
Weston-super-Mare, U.K.: 51.20 N. 2.59 W. 6, 7
Westport, Nova Scotia, Canada: 44.16 N. 66.21 W. 60
Westport, Eire: 53.48 N. 9.32 W. 5
Westport, New Zealand: 41.45 S. 171.40 E. 52
Max. Size: LOA 131.7 m., depth at bar 3.6 m. (12 ft.) at chart datum. *Fuel:* Diesel and lube oil only.
Westport, Washington, U.S.A.: 46.48 N. 124.05 W. 57
Westray, U.K.: 59.20 N. 3.00 W. 5
Westview, see Powell River.
Westville, see Philadelphia.

Westwego, Louisiana, U.S.A.: 29.55 N. 90.09 W. 67
Max. Size: Depth 28 ft. – 40 ft. Also see New Orleans.
Wetar Is., Indonesia 45
Wete, Tanzania: 5.14 S. 39.43 E. 30
Max. Size: LOA 240 ft., draft 25 ft. *Fuel:* Not available.
Wevok, Alaska, U.S.A.: 68.50 N. 164.45 W. 54
Wewak, Papua New Guinea: 3.34 S. 143.39 E. 45
Max. Size: Depth at LAT 6.7 m. *Fuel:* Diesel by road.
Airport: 5 km.
Wexford, Eire: 52.20 N. 6.26 W. 5
Weymouth, Nova Scotia, Canada: 44.27 N. 66.01 W. 60
Max. Size: LOA 375 ft., beam 55 ft., draft approx. 26 ft. (HW).
Weymouth, U.K.: 50.36 N. 2.27 W. 5, 7
Max. Size: LOA 125 m., draft 5.2 m. *Fuel:* By road tanker.
Airport: Hurn or Exeter.
Weymouth, U.S.A., see Boston.
Whakatane, New Zealand: 37.57 S. 177.00 E. 48, 52
Whampoa, see Huang Pu.
Whangarei, New Zealand: 35.45 S. 174.21 E. 52
Max. Size: LOA 182.88 m. (600 ft.), draft 9.44 m. (31 ft.).
Tankers: LOA no restriction, draft 15.24 m. (50 ft.).
Fuel: Available. *Dry Docks:* None. *Airport:* 8 miles.
Whangaroa, Chatham Is., New Zealand: 43.49 S. 176.42 W. . . 52
Whangaroa, New Zealand: 35.02 S. 173.46 E. 52
Whiddy Island, see Bantry.
Whitby, Ontario, Canada: 43.52 N. 78.56 W. 62
Whitby, U.K.: 54.30 N. 0.36 W. 5
White Bay, see Sydney, Australia.
White Bay, Newfoundland, Canada 60
White Is., N.W.T., Canada 59
White Lake, Ontario, Canada: 43.23 N. 86.20 W. 62
White Sea, U.S.S.R. 16
Whitegate, see Cork.
Whitehall, U.K.: 59.09 N. 2.36 W. 5
Whitehaven, U.K.: 54.33 N. 3.36 W. 5
Max. Size: LOA 270 ft., beam 40 ft. and draft 17 ft.
(spring tides). *Fuel:* Most grades.
Airport: Manchester, Newcastle or Prestwick, 130 miles.
Whitemark, Tas., Australia: 40.06 S. 148.00 E. 49
Whitianga, New Zealand: 36.46 S. 175.42 E. 52
Whitney Cove, U.S.S.R.: 76.15 N. 68.00 E. 16
Whitstable, U.K.: 51.21 N. 1.02 E. 7
Max. Size: Draft 15 ft. 6 in. (4.72 m.) spring. *Fuel:* Available.
Whittier, Alaska, U.S.A.: 60.47 N. 148.40 W. 54
Max. Size: LOA 170 m., depth at pier 48 ft. – 80 ft.
Fuel: Not available. *Airport:* Small airstrip.
Whyalla, S.A., Australia: 33.02 S. 137.36 E. 49, 50
Max. Size: Depth 10 m. – 10.7 m. LWOST.
Fuel: In emergency only. *Airport:* Connects with Adelaide.
Wiarton, Ontario, Canada: 44.44 N. 81.09 W. 62
Wick, U.K.: 58.26 N. 3.05 W. 5
Wicklow, Eire: 52.59 N. 6.02 W. 5
Max. Size: LOA 91 m., draft 5 m. *Airport:* Dublin, 40 miles.
Widnes, U.K.: 53.22 N. 2.44 W. 5
Widuri Marine Terminal, Indonesia: 4.40 S. 106.39 E. 38
Wigtown, U.K.: 54.52 N. 4.27 W. 5
Wilhelmsburg, see Hamburg.
Wilhelmshaven, Germany: 53.31 N. 8.10 E. 8, 10
Max. Size: River Jade: LOA 350 m. (1,150 ft.), draft 20 m.
(65 ft. 7 in.). Keel clearance of at least 8.5% of draft required,
beam 52 m. Berths: Draft 38 ft. Tankers: Draft 65 ft. 4 in.
Fuel: All grades. *Dry Docks:* Floating dock for vessels of
8,000 tons. *Airport:* Local airport. Nearest International at
Bremen, 102 km.
Willapa, Washington, U.S.A.: 46.42 N. 123.45 W. 57
Willemsdorp, Netherlands: 51.44 N. 4.35 E. 7
Willemstad, Netherlands: 51.42 N. 4.26 E. 7
Willemstad/Emmastad, (Curacao), Netherlands Antilles:
12.06 N. 68.56 W. 69, 73
Max. Size: LOA 850 ft., draft 45 ft. *Fuel:* Available.
Dry Docks: Graving dock 919 ft. long, width of entrance
152 ft. and depth over sill 27 ft., 155,000 d.w.t.
Airport: International flights.
William, see Port Stanley, Falkland Is.
Williams, see Port Williams, Canada or Chile
Williamsburg, Virginia, U.S.A.: 37.15 N. 76.45 W. 63, 65
Williamsport, Newfoundland, Canada: 50.28 N. 56.22 W. 60
Williamstown, see Melbourne.
Wilmington, Delaware, U.S.A.: 39.44 N. 75.32 W. 55, 63, 65
Max. Size: Draft 38 ft. (MLW). *Fuel:* Available.
Dry Docks: Penn Ship Yard, Chester, Pa. *Airport:* Philadelphia.
Wilmington, North Carolina, U.S.A.: 34.14 N. 77.57 W. . 55, 58, 63
Max. Size: Draft limit is present channel project depth of 38 ft.
Fuel: Bunker "C" and diesel. *Dry Docks:* 1×1,000 ton lift
floating dry dock. *Airport:* Internal, 7 miles.
Windsor, Nova Scotia, Canada: 45.00 N. 64.09 W. 60
Windsor, Ontario, Canada: 42.19 N. 83.03 W. 62
Max. Size: See St. Lawrence Seaway. Tankers: Depth 27 ft.
Fuel: Available. *Airport:* 5 miles.
Windward Islands 69
Windward Passage, Cuba/Haiti 69
Wing, see Port Wing.
Winisk, Ontario, Canada: 55.22 N. 85.16 W. 59
Winisk River, Ontario, Canada 59
Winneba, Ghana: 5.22 N. 0.37 W. 29
Winslow, Washington, U.S.A.: 47.37 N. 122.31 W. 56
Wintam, see Brussels.
Wisbech, U.K.: 52.39 N. 0.09 E. 7
Wisconsin, U.S.A. 62
Wismar, Germany: 53.54 N. 11.27 E. 9, 10, 11
Max. Size: LOA up to 200 m., draft 29 ft.
Fuel: All grades. *Airport:* Berlin, 270 km.
Wittow, Germany: 54.35 N. 13.20 E. 11
Wivenhoe, U.K.: 51.51 N. 0.58 E. 7
Max. Size: LOA 250 ft., draft 14 ft. 6 in. spring tides,
10 ft. neap Tides. *Fuel:* By road. *Airport:* London, 70 miles.
Stansted, 30 miles.
Wladyslawowo, Poland: 54.47 N. 18.25 E. 10
Wokum Is., Aru Is., Indonesia 45
Woleai, Caroline Is., Micronesia: 7.22 N. 143.54 E. 45
Wolf Rock, U.K.: 49.58 N. 5.50 W. 19
Wolfville, see Port Williams, Nova Scotia.
Wolgast, Germany: 54.03 N. 13.47 E. 10, 11
Wolin, Poland: 53.50 N. 14.38 E. 10
Wollongong, see Bulli.
Wolloomooloo, see Sydney, Australia.
Womens Bay, see Kodiak.
Wonsan, North Korea: 39.10 N. 127.26 E. 41, 42
Woodbridge, U.K.: 52.05 N. 1.20 E. 7
Woodfibre, British Columbia, Canada: 49.40 N. 123.15 W. . . . 56
Max. Size: Depth 34 ft. *Fuel:* Not available.
Airport: Vancouver.
Woodlark Is., Papua New Guinea 45, 48
Woods Hole, Massachusetts, U.S.A.: 41.31 N. 70.40 W. 63
Woody Is., Paracel Is., China: 16.45 N. 112.21 E. 38
Woody Point, Newfoundland, Canada: 49.30 N. 57.55 W. 57
Woolwich, U.K.: 51.30 N. 0.04 E. 7
Max. Size: Depth 5 m. (MHWS). Also see London, Tilbury.
Workington, U.K.: 54.39 N. 3.34 W. 5
Max. Size: 10,000 d.w.t., LOA 137.2 m., draft 25 ft., beam 62 ft.
Fuel: Available.
Wotho Is., Marshall Is., (U.S.A.): 10.08 N. 166.00 E. 48
Wowoni Is., Indonesia: 4.10 S. 123.05 E. 45
Wrangell, Alaska, U.S.A.: 56.28 N. 132.22 W. 56
Max. Size: Harbour depth 32 ft. (MLLW). Depth at
berths 32 ft. – 40 ft. Tides: Mean range 13.7 ft.
Fuel: Small quantities. *Airport:* Airstrip.
Wreck, see Barqueriza.
Wright Point, see Port Hawkesbury.
Wrightsville, North Carolina, U.S.A.: 34.13 N. 77.49 W. 63
Wu Chou, see Wuzhou.
Wu Tao, China: 39.20 N. 121.30 E. 41
Wuhan, China: 30.34 N. 114.17 E. 41
Max. Size: Draft Nov. – Apr. 4.5 m., Mar. – Oct. 8.0 m.
Fuel: Available.
Wuhu, China: 31.20 N. 118.22 E. 41
Max. Size: Draft 6.1 m.
Wulsan, see Ulsan.
Wuvulu Is., Papua New Guinea: 1.43 S. 142.51 E. 45
Wuzhou, China: 23.29 N. 111.18 E. 41
Wyandotte, Michigan, U.S.A.: 42.12 N. 83.09 W. 62
Wyk, Germany: 54.41 N. 8.35 E. 10
Wyndham, W.A., Australia: 15.27 S. 128.06 E. 45, 49
Max. Size: LOA 190 m., draft 8.8 m. *Fuel:* Not available.
Airport: Connects with Darwin.

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X

Xeros, see Gemikonagi.

Xiamen, China: 24.30 N. 118.04 E. 41
Max. Size: Dong Du: Draft 8.0 m., 80,000 d.w.t.
Fuel: Available. *Airport:* Flights to major cities in China and Hong Kong.

Xiang Jiang, China: 39.02 N. 117.41 E. 41
Max. Size: Draft 9.0 m.

Xili, see Plitra.

Xpila, see Ykspihlaja.

Xpili, see Ykspihlaja.

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Y

Yabucoa, Puerto Rico: 18.02 N. 65.48 W. 69, 71
Max. Size: Draft 43 ft. *Fuel:* Available.

Yahata, see Chiba.

Yakacik, see Isdemir.

Yakataga, Alaska, U.S.A.: 60.00 N. 142.45 W. 54

Yakushima, Japan 45

Yakutat, Alaska, U.S.A.: 59.33 N. 139.44 W. 56

Yali Island, Greece: 36.40 N. 27.08 E. 25, 26
Max. Size: LOA 200 m., beam 24 m., draft 11 m.
Fuel: Not available. *Airport:* At Kos.

Yalova, Turkey: 40.39 N. 29.16 E. 25

Yalta, U.S.S.R.: 44.30 N. 34.12 E. 26
Max. Size: LOA 215 m., draft 8.5 m. *Fuel:* Not available.

Yamagawa, Japan: 31.11 N. 130.38 E. 44

Yamba, N.S.W., Australia: 29.26 S. 153.21 E. 54
Max. Size: Draft 5 m. (HW), beam 70 m. *Fuel:* Available.
Dry Dock: Slipway 1,200 tonnes. *Airport:* Grafton (1 hour), connects with Sydney.

Yampi Sound, Australia: 16.08 S. 123.38 E. 45, 49
Max. Size: Koolan Island: LOA 280 m., beam 43 m., draft 16.25 m., greater on rising tide.
Cockatoo Island: Berth closed. *Fuel:* Not available.
Airport: Airstrip on Koolan Island connects Derby 140 km. away.

Yanbu, Saudi Arabia: 24.05 N. 38.03 E. 21, 32
(Industrial Port: 23.57 N. 38.13 E.).
Max. Size: Commercial Port: Draft 34 ft., cement – draft 36 ft.
Industrial Port: Crude Oil – 500,000 d.w.t., draft 95 ft.
NGL – 200,000 cu.m., draft 53 ft. 2 in. Petromin – 60,000 d.w.t., depth 11.5 m. Export Refinery – 150,000 d.w.t., draft 16.65 m.
General Cargo – depth 14 m. Bulk – 60,000 d.w.t., draft 13.9 m.
Fuel: Available. *Dry Docks:* None.
Airport: Connects with Jeddah, Riyadh.

Yandina, Solomon Islands: 9.04 S. 159.14 E. 48
Max. Size: Depth 6 m. *Fuel:* Not available.
Airport: Flights to Honiara.

Yangon, Myanmar: 16.47 N. 96.15 E. 38
Max. Size: LOA 548 ft., draft 28 ft.
Fuel: Available. *Dry Docks:* Max. 2,000 tons.

Yantai, China: 37.33 N. 121.24 E. 41
Max. Size: Drdaft 9.2 m. in channel, 15,000 d.w.t., depth 9.9 m. *Fuel:* Not available. *Dry Docks:* None.
Airport: Flights to Shanghai and Beijing.

Yap Is., see Tomil Harbour 45

Yapen Is., Irian Jaya, Indonesia 45

Yar Sale, U.S.S.R.: 66.50 N. 70.50 E. 16

Yarimca, Turkey: 40.45 N. 29.45 E. 25
Max. Size: Depth 12 m. – 13.5 m. *Fuel:* Available.

Yarmouth, Nova Scotia, Canada: 43.50 N. 66.07 W. 60

Yarmouth, U.K.: 50.42 N. 1.30 W. 7

Yarraville, see Melbourne.

Yashiro, Inland Sea, Japan 44

Yasuda, Japan: 33.28 N. 134.00 E. 44

Yatsushiro, Japan: 32.30 N. 130.05 E. 44
Max. Size: 35,000 d.w.t. *Dry Docks:* Not available.
Airport: Kumamoto, 70 km.

Yavaros, Mexico: 26.41 N. 109.30 W. 57

Yawata, Japan: 33.52 N. 130.49 E. 43, 44
Max. Size: LOA 200 m., draft 8.5 m. *Fuel:* Bonded oil will be brought from Moji, Ube or Ohita. *Dry Docks:* None.
Airport: Fukuoka, 70 km.

Yawatahama, Japan: 33.28 N. 132.25 E. 44

Ye, Myanmar: 15.15 N. 97.51 E. 38

Yell, U.K.: 60.37 N. 1.05 W. 5

Yelland, U.K.: 51.04 N. 4.09 W. 6

Yembo, see Yanbu.

YEMEN, REPUBLIC OF 31, 32

Yen Tai, see Yantai.

Yenbo, see Yanbu.

Yenikoy, Turkey: 41.08 N. 29.04 E. 25

Yeniseyski Bay, U.S.S.R. 30

Yerakini, Greece: 40.16 N. 23.28 E 25

Yesilkoy, Turkey: 40.58 N. 28.50 E. 25

Yevpatoriya, U.S.S.R.: 45.12 N. 33.23 E. 26

Yeysk, U.S.S.R.: 46.45 N. 38.15 E. 26

Yiaros, Greece: 37.35 N. 24.40 E. 25

Yingkou, China: 40.41 N. 122.15 E. 41
Max. Size: Anchorage depth 9.0 m. – 12.0 m., 30,000 d.w.t. Tankers: Draft 6.5 m. *Fuel:* Not available.

Yioura Is., (Northern Sporades), Greece: 39.23 N. 24.10 E. . . . 25

Yithion, Greece: 36.45 N. 22.34 E. 24, 25

Ykspihlaja, Finland: 63.51 N. 23.01 E. 25
Max. Size: See Kokkola.

Ymuiden, Netherlands: 52.28 N. 4.3¼ E. 7, 8
Max. Size: LOA 350 m. or draft 54 ft.
Fuel: Available by barge. *Dry Docks:* None.

Yoichi, Japan: 43.14 N. 140.46 E. 42

Yokkaichi, Japan: 34.57 N. 136.38 E. **42**
Max. Size: Draft inside port 12 m. Tankers: LOA 335 m., draft 19.3 m. at SBM. *Fuel:* Bonded oil available ex-barge. *Airport:* None.

Yokohama, Japan: 35.27 N. 139.38 E. **1, 42, 43**
(Incl. Negishi: 35.24 N. 139.38 E. and Tsurumi: 35.30 N. 139.41 E.)
Max. Size: Tankers: Draft 19.5 m., Negishi: Draft 16.7 m. Cargo: Depths up to 17.6 m. *Fuel:* Available.
Dry Docks: Largest: Length 1,161 ft. 5 in.; breadth at entrance 183 ft. 8 in.; height of sill above bottom dock 5 ft. 3 in.; depth on sill at HW, ordinary Spring tides, 20 ft. 3 in.
Airport: Haneda International, 25 km.

Yokosuka, Japan: 35.17 N. 139. 40 E. **42, 43**
Max. Size: Draft 11.7 m. *Fuel:* Most grades available from Yokohama or Kawasaki. *Dry Docks:* Largest – 475 ft. × 19.5 ft. *Airport:* Tokyo, 40 km.

Yongdangpo, see Haeju.

Yonkers, New York, U.S.A.: 40.56 N. 73.52 W. **63**

York Factory, Manitoba, Canada: 57.02 N. 92.29 W. **59**

Yorktown, Virginia, U.S.A.: 37.14 N. 76.30 W. **55, 63, 65**

Yosu, South Korea: 34.44 N. 127.45 E. **41, 42**
(a) Honam Oil – Crude Wharf: 255,000 d.w.t. draft 21 m.
(b) Honam Oil – Products Wharf: 35,000 d.w.t.
(c) Nakpo Wharf: 50,000 d.w.t.
(d) Lucky Advanced Materials: 4,400 d.w.t., draft 5.5 m.
(e) Yosu Harbour – Dry Cargo: Draft 26 ft.
(f) Yosu Energy: 75,000 cu.m., LOA 230 m., draft 13 m.
(g) Kwangyang Steel Mill: 250,000 d.w.t., LOA 1,030 m., beam 50 m.,draft 20 m. *Fuel:* Bunkers available by barge.

Youghal, Eire: 51.58 N. 7.50 W. **5**

Youngstown, New York, U.S.A.: 43.15 N. 79.02 W. **62**

Ystad, Sweden: 55.26 N. 13.50 E. **9, 10, 11**
Max. Size: About 5,500 d.w.t. Draft 6.7 m. (22 ft.).
Fuel: Available. *Airport:* 30 km.

Yu Lin, China: 18.14 N. 109.33 E. **38**

Yuasa, Japan: 34.07 N. 135.11 E. **44**

Yucatan Channel, Caribbean Sea **69**

Yugorski Strait, U.S.S.R. **16**

YUGOSLAVIA **21, 24**

Yukalpeten, see Progreso.

Yukon Delta, Alaska, U.S.A. **54**

Yukuhashi, Japan: 33.41 N. 131.02 E. **44**

Yunaska Is., (Aleutian Is.), Alaska, U.S.A. **54**

Yura, Japan: 33.57 N. 135.07 E. **44**
Dry Dock: 350,000 d.w.t.

Yurlbei, U.S.S.R.: 71.08 N. 76.59 E. **16**

Yuzhnyy, U.S.S.R.: 46.39 N. 30.55 E. **26**
Max. Size: LOA 280 m., draft 13.0 m. *Fuel:* By barge.
Airport: Odessa.

Yxpila, see Ykspihlaja.

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Zaandam, Netherlands: 52.26 N. 4.49 E. **7, 8**
Max. Size: Draft 10.0 m. *Fuel:* Available.
Dry Docks: See Amsterdam. *Airport:* Amsterdam, 20 km.

Zaanstad, see Zaandam.

Zadar, Yugoslavia: 44.07 N. 15.14 E. **21, 24**
Max. Size: Draft 12.5 m. *Fuel:* Available to coasters only.
Dry Docks: Floating dock, max. 8,500 tonnes.
Airport: Connects with Zagreb.

Zahrani, Lebanon: 33.30 N. 35.19 E. **26**

ZAIRE **29**

Zakinthos, Zante, Greece: 37.47 N. 20.54 E. **24, 25**

Zamboanga, Mindanao, Philippines: 6.54 N. 122.04 E. . . . **45, 46**
Max. Size: Draft 10 m. Tankers: Draft 18 ft.
Fuel: Available. *Airport:* 3 km., connects with Manila.

Zanimah, see Abu Zenima.

Zante, Greece: 37.45 N. 20.55 E. **24, 25**

Zanzibar, Tanzania: 6.09 S. 39.11 E. **30**
Max. Size: (Anchorage) LOA 1,100 ft., beam 110 ft., draft 32 ft.
Fuel: Not available.

Zanzibar Is., Tanzania **30**

Zarate, Argentina: 34.09 S. 59.05 W. **75**
Max. Size: Up to 26 ft. draft, depending on river depth.
Fuel: Not available.

Zarzis, Tunisia: 33.31 N. 11.05 E. **24**
Max. Size: Draft 10.5 m.

Zawia, Libya: 32.48 N. 12.42 E. **24**
Max. Size: C.B.M. No. 2: LOA 175 m., draft 10,0 m., 25,000 d.w.t. S.A.L.M.: Draft 19.0 m., 140,000 d.w.t.
Fuel: Not available.

Zayed, see Mina Zayed.

Zealand Is., Denmark **9, 10, 11**

Zeballos, British Columbia, Canada: 49.58 N. 126.51 W. . . . **56**

Zeballos Cue, Paraguay, see Asuncion.

Zeebrugge, Belgium: 51.20 N. 3.12 E. **7, 8**
Max. Size: Draft 14 m., LOA 350 m., beam 55 m.
Tankers: Depth 13.1 m. *Fuel:* All grades. *Airport:* Ostend, 30 km.

Zeeland, Netherlands **7**

Zeila, Somalia: 11.19 N. 43.29 E. **31, 32**

Zeit Bay, Egypt: 27.50 N. 33.36 E. **32**
Max. Size: S.B.M.: 250,000 d.w.t., draft 18 m.
LPG: LOA 108 m., draft 5 m. *Fuel:* Not available.
Also see East Zeit Terminal.

Zelenika, Yugoslavia: 42.27 N. 18.35 E. **24**
(incl. Herceg-Novi: 42.27 N. 18.33 E.).
Max. Size: Due to earthquake, small vessels only berth at the passenger quay at Herceg-Novi. *Fuel:* Nearest at Bar.
Dry Docks: Floating dock with lifting capacity 33,000 tons.
Airport: Dubrovnik.

Zhangjiagang, China: 31.58 N. 120.24 E. **41**
Max. Size: 10,000 d.w.t.

Zhangjiang, China: 21.11 N. 110.24 E. **38**
Max. Size: Cargo: Draft 11.4 m. Tankers: Draft 11.73 m.
Fuel: Available. *Airport:* Domestic flights and direct flights to Hong Kong.

Zhangzhou, China: 24.30 N. 117.36 E. **41**

Zhdanov, see Mariupol.

Zhenjiang, China: 32.14 N. 119.28 E. **41**
Max. Size: Draft 9.5 m. in channel, LOA 200 m.
Fuel: Available.

Zhousan, China: 30.01 N. 122.06 E. **41**
Max. Size: Draft 15.0 m. in channel, LOA 170 m.

Zierekzee, Netherlands: 51.39 N. 3.54 E. **7**

Ziguinchor, Senegal: 12.35 N. 16.20 W. **27**

Zijpe, (Shouwen Is.), Netherlands: 51.59 N. 4.04 E. **7**

Zikrit, Qatar: 25.30 N. 50.45 E. **35**

Zingst, Germany: 54.27 N. 12.41 E. **11**

Zinnowitz, Germany: 54.05 N. 13.55 E. **10**

Zirku Island, U.A.E.: 24.52 N. 53.04 E. **35**
Max. Size: S.B.M.: 350,000 d.w.t., draft 21 m.
Fuel: Not available.

Zlitan, Libya: 32.31 N. 14.35 E. **24**

Zonguldak, Turkey: 41.28 N. 31.49 E. **26**
Max. Size: Depths to 10 m.

Zorra Is., Panama Canal, Panama **70**

Zorritos, Peru: 3.40 S. 80.40 W. **72**

Zorrosa, see Bilbao.

Zuara, Libya: 32.55 N. 12.07 E. **24**
Max. Size: Draft 13 ft. LOA 65 m. *Airport:* Tripoli, 127 km.

Zueitina, Libya: 30.51 N. 20.00 E. **24**
Max. Size: Depth 70 ft. – 100 ft. LPG: 32,000 cu.m., LOA 700 ft., draft 28 ft. *Fuel:* Not available.

Zula, Ethiopia: 15.16 N. 39.38 E. **32**

Zulayfayn, see Ju'aymah.

Zuluf Terminal: 28.23 N. 49.14 E. (Inoperative – S.B.M. removed).

Zumaya, Spain: 43.18 N. 2.15 W. **19**

Zuniga, see Santa Marta.

Zuqar Is., Yemen: 14.00 N. 42.40 E. 31
Zutphen, Netherlands: 52.08 N. 6.12 E. 7
Zuwarah, see Zuara.
Zwolle, Netherlands: 52.31 N. 6.07 E. 7
Zwyndrecht, see Antwerp.
Zyyi, see Vassiliko Bay.

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